

19980407.qrp v01_n053.qrs.980407

Date: Tue, 7 Apr 1998 19:03:13 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1053

QRP-L Digest 1053

Topics covered in this issue include:

- 1) [7681] Re: Problem
by Shephed <Shephed@aol.com>
- 2) [7682] Re: B&W folded dipole
by "John J. McDonough" <jjmcd@mdn.net>
- 3) [7683] Elmer 101 kits
by Bensondj <Bensondj@aol.com>
- 4) [7684] Re: Antennas, non-res
by K5BDZ <K5BDZ@aol.com>
- 5) [7685] 'Elmer 101' SW40+ procedure...
by Mighty Mik <mitymik@hooked.net>
- 6) [7686] Re: B&W folded dipole
by Vic Rosenthal <rakefet@rakefet.com>
- 7) [7687] KnightSMiTe places second in Homebrew Contest
by gary_oneil@juno.com (Gary E. O'Neil)
- 8) [7688] FS: QRP items.
by "C.D. Rakes" <cdrakes@ipa.net>
- 9) [7689] 38S & BCI
by Ed <edn4pk@VoyagerOnline.net>
- 10) [7690] Re: Problem
by "Dan Hogan" <dhhogan@concentric.net>
- 11) [7691] 20 Meter OHR 100A up and running
by wd3p@juno.com (Larry Cahoon)
- 12) [7692] Circuits that never work
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 13) [7693] Re: 'Elmer 101' SW40+ procedure...
by Michael Maiorana <mikemo@ibm.net>
- 14) [7694] Elmer101: website updates
by Michael Maiorana <mikemo@ibm.net>
- 15) [7695] QRP+ Repairs?
by Bill Todd <bill@willapabay.org>
- 16) [7696] Elmer101 SW-30+ students?
by "Robert H. Sorge" <rsorge@phoenix.net>
- 17) [7697] TMPS ?
by gsurrency@juno.com (Gary L Surrency)
- 18) [7698] Re: 38S & BCI
by gsurrency@juno.com (Gary L Surrency)
- 19) [7699] Weller Solder Stations & Tips on sale.....

- by Conrad <radman@best.com>
- 20) [7700] Re: Not quite QRP but please read
by LYN <designserv@ipass.net>
- 21) [7701] n5duq@juno.com (Burl A. Keeton): FS: Kenwood TS-130 V
by n5duq@juno.com (Burl A. Keeton)
- 22) [7702] 3el Yagi with wire, rope, trees
by jdenison@morelr.com (JOEL DENISON)
- 23) [7703] TMPS ?
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 24) [7704] re:TMPS
by "ukii" <ukii@megsinet.net>
- 25) [7705] 3el Yagi with wire, rope, trees
by "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
- 26) [7706] New MFJ 90's Newsletter
by "Robert J. Gobrick" <rgobrick@worldnet.att.net>
- 27) [7707] NorCal April Meeting Report (Slightly Biased)
by "Eric Swartz, WA6HHQ EleCraft" <erics@elecraft.com>
- 28) [7708] http://www.elecraft.com/norcal/NorCal_April_5_'98_Meeting.htm
by "Eric Swartz, WA6HHQ EleCraft" <erics@elecraft.com>
- 29) [7709] re:TMPS
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 30) [7710] Or try: <http://www.elecraft.com/norcal/NorCalMeeting.htm>
by "Eric Swartz, WA6HHQ EleCraft" <erics@elecraft.com>
- 31) [7711] QRP ARCI Survey
by Monte Stark <ku7y@dri.edu>
- 32) [7712] Re: My circuits never seem to work for some reason...
by Leon Heller <leon@lfheller.demon.co.uk>
- 33) [7713] Icom IC-765 Power Level Control (long)
by "Charles L. Stackhouse" <cstack@safelink.net>
- 34) [7714] Goof!-ICOM IC-765 Power Level Control
by "Charles L. Stackhouse" <cstack@safelink.net>
- 35) [7715] AOL POP UP
by RangerSF5 <RangerSF5@aol.com>
- 36) [7716] QRP ARCI Survey -- The Real McCoy
by Joe Gervais <vole@primenet.com>
- 37) [7717] Steve Weber's amazing LED CW Keyer... (review)
by Conrad <radman@best.com>
- 38) [7718] RE: TMPS ?
by n4js@pobox.com
- 39) [7719] Re: B&W folded dipole
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 40) [7720] Re: 3el Yagi with wire, rope, trees
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 41) [7721] 38S kit and wide Norcal paddle kit sold
by <FaithD@mail01.dnr.state.wi.us>
- 42) [7722] Re: Problem
by Jim Eshleman <lujce@hooch.cc.lehigh.edu>
- 43) [7723] N5INZ: Re: New MFJ 90's Newsletter

- by n5inz@juno.com (John M Andrews)
- 44) [7724] Re: Steve Weber's amazing LED CW Keyer... (review)
by Roger Braker <msebrakr@telepath.com>
- 45) [7725] re: MOBILE INVERTED L
by QLF%mimi@magic.itg.ti.com
- 46) [7726] RE: Not quite QRP but please read
by Brad Mugleston <bmug@gwl.com>
- 47) [7727] New Product Announcement: PC-VF0jr
by Tracy@bytemark.com (Tracy)
- 48) [7728] LED CW Keyer
by Steven Weber <kd1jv@moose.ncia.net>
- 49) [7729] FS/38s and custom case
by n1wcc@juno.com (Arol b hill)
- 50) [7730] New Rig choice.
by "ukii" <ukii@megsinet.net>
- 51) [7731] Re: Elmer 101: getting started
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 52) [7732] Tree mounted yagi... resopnses
by jdenison@morelr.com (JOEL DENISON)
- 53) [7733] List of banquet registrations
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 54) [7734] Ant Tuner
by Brad Mugleston <bmug@gwl.com>
- 55) [7735] Re: Golf Ball Antenna?
by Dick G0BPS <G0BPS@kanga.demon.co.uk>
- 56) [7736] 40673
by Dick G0BPS <G0BPS@kanga.demon.co.uk>
- 57) [7737] Japanese web site-Super VXC0
by David Shalita <af389@lafn.org>
- 58) [7738] RE: 40673
by Tracy@bytemark.com (Tracy)
- 59) [7739] Re: Ant Tuner, Glue gun, Ten-Tec 1254
by "Marshall Emm" <mgemm@mtechnologies.com>
- 60) [7740] Re: Japanese web site-Super VXC0
by Monte Stark <ku7y@dri.edu>
- 61) [7741] Re: 40673
by "S. Lee" <slee@u.washington.edu>
- 62) [7742] Re: 40673 - replacements also discontinued
by "Bruce Barley" <lbbbarley@feist.com>
- 63) [7743] Re: 40673 - replacements also discontinued
by K5BDZ <K5BDZ@aol.com>
- 64) [7744] Sierra power mods
by marion@montana.com
- 65) [7745] LED keyer is a go!
by Steven Weber <kd1jv@moose.ncia.net>
- 66) [7746] Re: LED keyer is a go!
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 67) [7747] MO-OK-KS QRPTTF Invitation

by "Joe E. Eder" <joe_eder@compuserve.com>
68) [7748] Re: Japanese web site-Super VXC0
by Joe Gervais <vole@primenet.com>
69) [7749] qsl info
by ac5ez@webtv.net (Larry B)
70) [7750] HW-8
by JFelts4572 <JFelts4572@aol.com>
71) [7751] R-2000 SOLD
by Ed Tanton <n4xy@att.net>
72) [7752] Re: Japanese web site-Super VXC0
by "edwin a. crowell" <w5twr@rconnect.com>
73) [7753] Messages
by "Ron Polityka" <wb3aal@talon.net>
74) [7754] Need info on Bamboo Quad
by Bill Howell <bhowell@mail.utexas.edu>
75) [7755] Re: Need info on Bamboo Quad
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
76) [7756] Re: TMPS ?
by Ed <edn4pk@VoyagerOnline.net>
77) [7757] RE: TMPS ?
by adams@chuck.dallas.sgi.com (Chuck Adams)
78) [7758] Re: 40673
by kv7g@juno.com
79) [7759] The L antenna mobile, (or fixed)
by "rohre" <rohre@arlut.utexas.edu>
80) [7760] RE: 40673 - replacements also discontinued
by Tracy@bytemark.com (Tracy)
81) [7761] Re: 40673
by "S. Lee" <slee@u.washington.edu>
82) [7762] Message in Re: RS mics
by RangerSF5 <RangerSF5@aol.com>

Date: Mon, 6 Apr 1998 19:00:29 EDT
From: Shephed <Shephed@aol.com>
To: wb3aal@talon.net, qrp-1@Lehigh.EDU
Subject: [7681] Re: Problem
Message-ID: <42a90f85.35295e8f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Some times I get double messages, no real pattern though.

I just figured it was this crappy mail handler from AOL.

72, 73

Dan, N8VZU
QRP-L #1404

Date: Mon, 6 Apr 1998 17:55:12 -0400
From: "John J. McDonough" <jjmcd@mdn.net>
To: <rakefet@rakefet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [7682] Re: B&W folded dipole
Message-ID: <199804061200.4535100@midland2.mdn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: Vic Rosenthal <rakefet@rakefet.com>; owner-qrp-1@Lehigh.EDU

> a full-size dipole (80 or 40m halfwave) and feed it with ladder line

This is something I see a lot of, and I have to ask the question. Given that a half-wave dipole sufficiently far away from interference (like the ground) has a feed impedance in the 70 ohm neighborhood, why do people like to feed it with open wire - typically 450-600 ohm? Is it customary to use a delta match or something similar at the feed point?

Inquiring minds want to know!

72 de WB8RCR

Date: Mon, 6 Apr 1998 19:02:23 EDT
From: Bensondj <Bensondj@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [7683] Elmer 101 kits
Message-ID: <84366374.35295f02@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

gang-

This is simply to let you know that I'm now over a hundred kits shipped. They're going out at the rate of about 25 a day and in the order I received your checks, so most folks should see theirs shortly. Thanks for your patience, and keep those soldering irons warm!

73, Dave- NN1G
(Small Wonder Labs)

Date: Mon, 6 Apr 1998 19:04:00 EDT
From: K5BDZ <K5BDZ@aol.com>
To: cebik@utkux.utcc.utk.edu
Cc: qrp-1@Lehigh.EDU
Subject: [7684] Re: Antennas, non-res
Message-ID: <54fd832d.35295f63@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

LB...ya GOT me! All antennae are definately non-reasonate except at their design frequency...just as a 24 hour clock, not running, is on time once a day.

OK LB...I owe you a cuppa Joe on this one :-)))
Bill, K5BDZ

Date: Mon, 06 Apr 1998 16:56:43 -0700
From: Mighty Mik <mitymik@hooked.net>
To: qrp-1@Lehigh.EDU
Subject: [7685] 'Elmer 101' SW40+ procedure...
Message-ID: <35296BBB.77B881C3@wenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

i didn't buy it as part of a class...i bought one to see if i could learn about the NE602, and to have something i could throw into my truck when i'm out in the boonies. I've even decided to get a used temperature controlled soldering iron for the occation (since i will be building other stuff). I see it as a self contained kit...the instructions should be more than adiquate to assemble it, and get it ready for on the air. I even have an expanded scale watt meter/dummy load that is good to 15 watts. IF i get stuck, i can take advantage of the fact that there are 40+ other people in the same boat at this time. I can also take advantage of the fine web page documentation.

This is my first QRP rig, so i hope it lives up to the hype i've seen

here.

-Mick
WD8MNV/6

Date: Mon, 06 Apr 1998 17:05:30 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: jjmcd@mdn.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7686] Re: B&W folded dipole
Message-ID: <35296DCA.D9D85DB9@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John J. McDonough wrote:

>
>
> This is something I see a lot of, and I have to ask the question. Given
> that a half-wave dipole sufficiently far away from interference (like the
> ground) has a feed impedance in the 70 ohm neighborhood, why do people like
> to feed it with open wire - typically 450-600 ohm? Is it customary to use
> a delta match or something similar at the feed point?

A half-wave dipole has an impedance of near 70 ohms -- at its resonant frequency!
At
this single frequency and near it, a 70-ohm line will have a very low SWR. But at
other frequencies, the SWR will be very high. For example, I'm sure that I would
have an SWR of more than 20 to 1 on 80 meters if I fed my 40-meter dipole with 50
ohm
70-ohm coax. Such an SWR would cause serious losses in the coax, making the
antenna
system almost worthless on this band. But by using open-wire line which has a
very
low loss when matched, the additional loss due to high SWR is also low. So the
open
wire line can tolerate a high SWR, which means that I can use my 40-meter dipole
on
all bands, not just 40. Of course the downside of this is that I have to feed it
through a tuner so the transmitter can transfer power to it.

Vic K2VCO

Date: Mon, 6 Apr 1998 20:25:02 -0400
From: gary_oneil@juno.com (Gary E. O'Neil)
To: klqrp@waterw.com
Cc: qrp-l@Lehigh.EDU
Subject: [7687] KnightSMiTe places second in Homebrew Contest
Message-ID: <19980406.202504.3542.0.Gary_0Neil@juno.com>

Congratulations to Sir Tom KE4JZK who won honors at Sunday's RARSFEST the annual hamfest of the Raleigh Amateur Radio Society in Raleigh, NC.

Tom took second place in the homebrew contest with his entry which sported the KnightSMiTe integrated with the TICK keyer and battery all integrated into our chassis of choice... ta da.... an Altoids tin :-)

Tom is a relatively recent Knight, and has indeed done us proud. We raise our lances high to honor you oh noble one.

72 and Godspeed my friend... I hope you make it to Dayton.

Gary, N3G0

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Date: Mon, 6 Apr 1998 20:01:08 -0500
From: "C.D. Rakes" <cdrakes@ipa.net>
To: <QRP-L@Lehigh.EDU>
Subject: [7688] FS: QRP items.
Message-ID: <199804070054.TAA29270@thunder.ipa.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I've got the following QRP rigs for sale.
QRP+ with Companion unit, both excellent condition, SER# 961. \$550. plus

shipping.

Ten-Tec Scout, 80,40,30 mods, 937 HD power supply, 705 Desk mike, manuals,exc. \$575. plus shipping.

Heath-Kit HW-8, with matching power supply, only mod is PL-259, nice shape, \$145. plus shipping.

S&S Engineering TAC-1, 80M, with built-in keyer, abt 2-months old, like new. \$185.plus shipped.

Ten-Tec Model 1330 CW Transceiver, abt three months old, like new. \$90. plus shipped.

OHR 100A 40M, abt two months old, \$90. plus shipping.

If interested e-mail KI5AZ (Charles) at cdrakes@ipa.net

Date: Mon, 06 Apr 1998 21:11:49 -0400
From: Ed <edn4pk@VoyagerOnline.net>
To: QRP <qrp-1@Lehigh.EDU>
Subject: [7689] 38S & BCI
Message-ID: <35297D55.DAA8628D@VoyagerOnline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok guys, have had 2 replies with the BCI and the 38S. Altho I appreciate the answers, neither was of much help. How do I cure this ?? De-tune the RX until the BCI is gone ??
Would appreciate any help...tnx
Ed N4PK

Date: Mon, 6 Apr 1998 18:14:03 -8
From: "Dan Hogan" <dhhogan@concentric.net>
To: qrp-1@Lehigh.EDU
Subject: [7690] Re: Problem
Message-ID: <199804070111.VAA12482@marconi.concentric.net>

Ron:

Yeah, I'm seeing them too. Wait a day or so and they will probably go away.

Ron Polityka wrote:

> Is anyone else having the same problem as I am with

> repeat messages?

Dan Hogan WA6PBY
dhhogan@concentric.net
ARRL-VE*QRP-L*QRP-ARCI*NorCal*CQC*Fists*G-QRP*ARS*

Date: Tue, 7 Apr 1998 01:13:08 +0100
From: wd3p@juno.com (Larry Cahoon)
To: qrp-l@Lehigh.EDU
Subject: [7691] 20 Meter OHR 100A up and running
Message-ID: <19980407.011309.4246.4.wd3p@juno.com>

Another 100A is up and running. It went together without a problem. Some how I killed Q110 in the alignment phase. A quick e-mail to Dick and he identified the problem. Replaced the part and the rest of the alignment went without any problems.

Lacking all musical abilities I changed the zero beat procedure. Used the SCAF at it minimum setting, the filter on the 100A at its narrowest setting and set the DSP on the TS750s at 50. With that if you don't zero beat real good you don't hear the signal. Adjusted the offset to hear the signal in each receiver to pick up the signal in the other receiver when feeding a dummy load.

Tried it out Sunday evening at 4.5 watts into FL. An easy catch at that power from MD. Tonight turned it down to half a watt. Two quick CQs netted a 579 from GM3KHH and a 569 from G3KBN. Then I started answering CQs. Got four of the five I tried. The YU7 had too many others calling him. Got a 426 from G4UCJ, 569s from HA60A, GM3AWW, and 9A3LE. All these with nothing more than a dipole. Some day a figure out a reason to put up a beam. Meanwhile I'd say the rig works FB.

73 de Larry.....WD3P

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Date: Mon, 6 Apr 1998 18:25:06 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>

To: qrp-1@Lehigh.EDU
Subject: [7692] Circuits that never work
Message-ID: <Pine.LNX.3.96.980406182400.14880A-1000000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I would like to thank everyone who posted a reply to me. The information gathered will be used for my "next attempt" at bringing my project one step closer to completion.

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13          |      Samuel A. Falvo II
      QRP-L #1447   |      Chief Architect and Project Founder
=====
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Date: Mon, 06 Apr 1998 21:48:51 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: mitymik@hooked.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7693] Re: 'Elmer 101' SW40+ procedure...
Message-ID: <35298603.BCD@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mighty Mik wrote:

> i didn't buy it as part of a class...i bought one to see if i could
> learn about the NE602, and to have something i could throw into my truck
> when i'm out in the boonies.

Well, there is nothing stopping anyone from just "building it", though
You will miss out on a great learning experience.

>
> This is my first QRP rig, so i hope it lives up to the hype i've seen
> here.

No hype here! It's a great rig.

--
72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"And if I have prophetic powers, and understand all mysteries
and all knowledge, and if I have all faith, so as to remove
mountains, but have not love, I am nothing"

Date: Mon, 06 Apr 1998 21:51:49 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp1 <qrp-1@Lehigh.EDU>
Subject: [7694] Elmer101: website updates
Message-ID: <352986B5.1E9A@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've added some info provided by Glen Leinweber about the venerable
NE602 / NE612 mixer IC. Check it out at
<http://www.qsl.net/kf4trd> follow the elmer FAQ link.
This is an essential building block of the SW-40+ xceiver.
Have fun, it's good reading. Stay tuned.....

--
72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"And if I have prophetic powers, and understand all mysteries
and all knowledge, and if I have all faith, so as to remove
mountains, but have not love, I am nothing"

Date: Mon, 06 Apr 1998 18:51:30 -0700
From: Bill Todd <bill@willapabay.org>
To: kelman@dialnet.net
Cc: qrp-1@Lehigh.EDU
Subject: [7695] QRP+ Repairs?
Message-ID: <1.5.4.32.19980407015130.0070e108@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Hello all,

>Is there anywhere to get parts for the Index Labs QRP Plus or any where a
>person could get one serviced if
>needed?

You can check with Stan, K7SY in Seattle, who used to be the main technician at Index Labs (who built the QRP+). I understand that Stan does work on QRP+ rigs, though I do not know what he has in the way of extra parts.

You can contact Stan at: bg783@scn.org

CUL, Bill-N7MFB

<http://www.willapabay.com/~bill>
ICQ me at #8926298

Date: Sun, 5 Apr 98 21:20:36 PDT
From: "Robert H. Sorge" <rsorge@phoenix.net>
To: qrp-1@Lehigh.EDU
Subject: [7696] Elmer101 SW-30+ students?
Message-ID: <Chameleon.980405212548.rsorge@phoenix.net.phoenix.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I received my SW-30+ today and would like to know who the other students are that are building the 30 meter version. If you respond to me I will compile a list and share it on the qrp-1. I will wait to issue it next week.
72 de Bob

Name: Robert H. Sorge - KC5FMZ QRP-L#910,NORCAL#793,ARCI#96033
E-mail: rsorge@phoenix.net
Date: 4/5/98
Time: 9:20:36 PM

Date: Mon, 6 Apr 1998 19:04:35 -0700
From: gsurrency@juno.com (Gary L Surrency)
To: qrp-1@Lehigh.EDU
Subject: [7697] TMPS ?
Message-ID: <19980406.190509.10958.1.gsurrency@juno.com>

Now that the Fox hunt is over, is there going to be another Thirty Meter Proagation Study like we had last year? Or was that just a one-time event?

Hope to hear some of you tonight in the Spartan Sprint.

72,

Gary Surrency AB7MY

S&S TAC-1(40&80m) ARK30 38S OHR100 w/KC-2 HW-9 TS-570D

QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

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Date: Mon, 6 Apr 1998 19:02:18 -0700

From: gsurrency@juno.com (Gary L Surrency)

To: edn4pk@voyageronline.net

Cc: qrp-l@Lehigh.EDU

Subject: [7698] Re: 38S & BCI

Message-ID: <19980406.190509.10958.0.gsurrency@juno.com>

Ed,

Changing C4 to 10pf reduces loading of the tuned input filter, and will help reject more out-of-band interference from the SW BC powerhouses. It raises the loaded Q of the tuned circuit a lot, and presents a much better match into mixer U1. It also will reduce any transmitter output leakage into that chip, and helps the QSK to recover better between CW characters. I didn't come up with this mod, someone else did - but it is a good one and you should definitely change C4 to 10pf. Also be sure to do Mike Gipe's PIN diode mod with the 5 watt PA.

Make sure you have two peaks of trimmer TC1, to be sure the toroid can be tuned to resonance. Remove a turn if necessary, then spread or compress the windings until the trimmer peaks the signal when near its midpoint of travel.

Additionally, the low-pass filter in the PA stage should be checked for proper operation. The receiver input comes through the low-pass filter, so good performance of the PA output filter helps with signals far removed from the 30m band, although signals that are not far removed from the 30m band will not be rejected very much by the low-pass filter, unfortunately.

An antenna tuner may help to add additional selectivity and out-of-band signal rejection. Also, re-orient the antenna if you can tell from which direction the offending BCI is coming from.

On occasion, propagation is such that I hear some BC carriers in my 38S, although lately I have not had this problem. Judicious use of the RF gain control will help reduce front-end bleed-thru, unless the ham signals you are trying to hear are very weak. :-(

72,

Gary Surrency AB7MY

S&S TAC-1(40&80m) ARK30 38S OHR100 w/KC-2 HW-9 TS-570D

QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 6 Apr 1998 19:23:37 -0700

From: Conrad <radman@best.com>

To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>

Subject: [7699] Weller Solder Stations & Tips on sale.....

Message-ID: <01BD6191.7FC7E1C0@radman.vip.best.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

Soldering friends,

If you're considering upgrading from a "pencil" to a soldering station = here are a couple of excellent Weller deals:

Weller model "WTCPT" with 42 watt iron: \$75.95... (typically \$99.95 - = \$109.95)

Weller's description: "The industry's most popular soldering station is = the 24 volt output Weller WTCPT. With literally hundreds of thousands in = use, it incorporates the patented Magnastat system that guarantees a = constant and reliable tip temperature at all times (600=BA, 700=BA or = 800=BA degree Fahrenheit) The transformer-powered soldering station = features a lightweight, heat-insulated, low-voltage, temperature-controlled soldering pencil. It utilizes a = special closed-loop method of controlling maximum tip

temperature to protect temperature-sensitive components. The grounded =
tip protects both voltage and current-sensitive
components."=20

Vendor: "Wassco" URL: <http://www.wassco.com/> Note: you'll need the =
"secret" on-line advertising code: "WP1-02-18798"
Phone: 1-619-679-8787

Weller tips for the WTCPT: \$2.07 ea...(half-price) your choice... at =
Tool-Town: URL: <http://www.tooltown.com/>
Phone: 1-425-485-8055

Standard disclaimers... happy soldering,

72 - Conrad - nn6cw.

Date: Mon, 06 Apr 1998 22:22:13 -0700
From: LYN <designserv@ipass.net>
To: bmug@gwl.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7700] Re: Not quite QRP but please read
Message-ID: <3529B805.10B263BA@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brad Mugleston wrote:

> This post isn't quite QRP but if I can get a solution to my problem I would
> have more time (and money) to play radio so here goes.
>
> I need to do a mail merge with Access and Word to the Fax machine. I want
> each letter to be individualized to my clients (about 2,200). It costs
> about 13 cents a minute for long distance fax (4 to 10 pages depending on
> phone lines) verses 32 cents postage plus envelop plus paper for mail and
> it takes a lot longer.
>
> I have not been able to find any fax software that can be feed a fax number
> on the fly they all want you to pick (live) from a list for faxing later.
> This would work fine if I wanted to send the same thing to everyone but I
> need to customize the letters.
>
> Anyone out there see such a critter?

Yes, and I have been the addressee on far too many of them!
I'm not about to help anyone build up junk email capability.

Date: Mon, 06 Apr 1998 22:46:52 EDT
From: n5duq@juno.com (Burl A. Keeton)
To: qrp-1@Lehigh.EDU
Subject: [7701] n5duq@juno.com (Burl A. Keeton): FS: Kenwood TS-130 V
Message-ID: <19980406.203947.7775.0.n5duq@juno.com>

----- Begin forwarded message -----
From: n5duq@juno.com (Burl A. Keeton)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: FS: Kenwood TS-130 V
Date: Sat, 04 Apr 1998 12:39:54 EST
Message-ID: <19980404.113342.7775.4.n5duq@juno.com>

For Sale: One of the "rare" Kenwood TS-130 "V". Very few of these QRP version (10 Watts out or less) of the TS130 S made it from Japan to the US.

It works good, front panel in good shape, it does have some scratches on the case. No dents, just scratches.

I comes with the power cord, original manual, original hand mike, copy of service manual, and the orginial "inside" carton with a TS-130 S out side carton..

Price: best offer over \$450.00 plus \$10.00 toward the shipping and insurance.

Reason for selling it: I need money to buy something else, like Dave's SW40+ and the Elmer 101 program. Plus the hamfest are starting and I need "gas and entrance money".
Also just bought a nice TT 509 and don't use 130 V anymore.

Burl Keeton N5DUQ Okla. City, OK.
email: n5duq@juno.com

----- You
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----- End forwarded message -----

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 6 Apr 1998 22:00:16 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-1@Lehigh.EDU
Subject: [7702] 3el Yagi with wire, rope, trees
Message-ID: <199804070300.WAA16303@m20.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang:

Well first off I need to know WHERE 9A2AJ IS? He was my first contact with the new ant...

I modified the forty meter loop to more of a rectangle 40x30x40x30 roughly and got the bottom part up another six feet and it works much better..

NOW THE 3 ELEMENT YAGI ON THIRTY METERS...

I GOT TO looking around and realized that I had two trees pointing roughly toward Europe... Thinking of phased verticals I suddenly remembered an article about a tree supported yagi...So....

I ran inside the house and got the dimensions and got the rod and reel and got some rope and wire, etc... I ran the rope up the two trees and connected them together... Then I tied the ref, driven ele, dir to the rope with the spacing of roughly 14ft and 9ft and hauled the thing up... The reflector, hung a few feet off the ground so all was well... I played with the rope and got the ant about as straight as it was going to get and ran some rg58u from the driver to the shack.. the swr was 1.3 to 1... and the qrp+ loaded ok

I heard 9a2aj calling cq dx so I went back to him and wham!!! he said high om. ur rst 579!!!

FOR THOSE WHO THINK THE RECEIVING STATION HAS A "BURDEN" COPYING QRP... LOOK AT THAT FIRST NUMBER...5... THAT'S PERFECTLY READEABLE AT MY 4 WATT LEVEL... A 5 OR 4 ON THE FIRST NUMBER AND A 4 OR BETTER ON THE SECOND NUMBER "MEANS" THE OTHER GUY AN'T HURTING TO COPY YOU...!!! NO MATTER WHAT UR POWER LEVEL...

I realise I can't turn the ant... but if I can work dx, why would I want to??? amazing what some wire and trees can accomplish... Anyone wanting the actual measurements I used can e mail me direct..

please anyone know where this 9a2aj is located, he did not pass his qth along...

72,73

joel in maine, in the melting sneaux..

God Bless

Joel

WA5CVM

Joel Denison

PO BOX 542

Strong, Maine 04983

jdenison@morelr.com

Gentlemen don't Cry, They QSY :-)

Gentle Lady (RC Sail Plane)(049 engine - start)

40 mtr loop up 50ft

QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765

AK/QRP 109

Date: Mon, 6 Apr 1998 23:38:52 -0400

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: "INTERNET:gsurrency@juno.com" <gsurrency@juno.com>

Cc: "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.EDU>

Subject: [7703] TMPS ?

Message-ID: <199804062340_MC2-392F-708F@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: 7bit

Content-Type: text/plain; charset=us-ascii

Content-Disposition: inline

Gary and fellow QRPers:

Gotta say something about *FANTASTIC* and never-ending DX on 30 Metres over the last 12 days/nights or so. Several times DX stations have been calling *me*...sometimes before the previous QSO has ended. Wow, Never happened to K0EVZ before :-)) in 38 years.

Finally have simply turned off the rig--with lots of DX still rolling in. All with 4-5 watts out to either the GAP or even the HB dipole at 28'. ZM-2 tuner as always. Brings my DX country to 156 (but the cards are slower!).

What has been surprising is how *few* QRPers I have heard, even in the pileups. Probably have missed hearing lots of guys, of course. Perhaps the band has been too long. But *have* heard lots of QROers, some running up to 800 watts to Yagis over 100 feet up :-(. Been hoping to hear/work some of the 38S rigs and other new QRP rigs.

Anyway, let me encourage everyone to put whatever rig you can on 30 Metres. 17 Metres has also had some openings. Good luck, everyone. Go

for it.

72/73,

--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Mon, 6 Apr 1998 23:08:17 -0500
From: "ukii" <ukii@megsinet.net>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [7704] re:TMPS
Message-ID: <005501bd61da\$ce0f0ea0\$5a4e85d0@ns1.megsinet.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

But *have* heard lots of QROers, some
running up to 800 watts to Yagis over 100 feet up :-(.

800??????

Date: Tue, 7 Apr 1998 00:09:19 -0400
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
To: "INTERNET:jdenison@morelr.com" <jdenison@morelr.com>, "Doc W.D. Lindsey/K0EVZ"
<70511.3041@CompuServe.COM>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [7705] 3el Yagi with wire, rope, trees
Message-ID: <199804070011_MC2-392A-FD4D@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Joel:

Well 9A2AJ is in Croatia (he was not sending *QTH*). Handle is Tom. Have
worked him a couple of times lately, most recently tonight at 0216Z on
10.101.72. 579 both ways, but he was QRO. Rats. Congrats and best

wishes for more DX. Lots of Eastern Europe hams rolling in tonight:
S58DX, 9A2AJ, RW4WR and UA4PM0.

Going back soon tonight to see if *others* can be snagged with 4.0
watts :-).

Good luck es 72/73,
--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Mon, 06 Apr 1998 23:15:25 -0500
From: "Robert J. Gobrick" <rgobrick@worldnet.att.net>
To: qrp-1@Lehigh.EDU, gqrp-1@blacksheep.org
Subject: [7706] New MFJ 90's Newsletter
Message-ID: <3.0.32.19980406231350.007576c4@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

MFJ Owners and QRP Elmers,

I just received in the mail my first NEW issue of the MFJ 90's Newsletter devoted to the MFJ QRP 90xx transceivers and accessories. As many of you may know Paul Harden NA5N, one of our great QRP-L and GQRP-L Elmers has taken over this publication from Dave W5RIF, as Dave's workload became too much.

First I have to say - Paul's inaugural issue is GREAT. If you are familiar with Paul's writing and illustrative style, as seen in the NorCal QRPP, Colorado QRP Low-Down and the QRP ARCI QRP Quarterly - you will know what to expect. This first quarterly issue covers the alignment procedures for the MFJ 90xx rigs and it looks beautiful (and easy to follow). As many of you may know Paul is an avid MFJ 90's user and you just have to see his highly modified plexiglass covered MFJ 9040 and 9030 "Shack in a Box" to see what he's done with these rigs.

I also see this quarterly newsletter as a great "elmering" manual for all NE-602 rigs since it was Rick Littlefield's K1BQT designs that started it all and is the basis for the MFJ 90xx (and also the basis for many Emtech, Small Wonder, OHR, etc designs). So this is a great rig to follow and learn about the design and design modifications that will be upcoming. And remember - the MFJ 90xx rigs are not kits - factory made and ready to go.

As you can tell I'm excited about this new publication - it will be a classic newsletter for a classic QRP rig. OK - admit it - how many of you own MFJ 90xx rigs but are afraid to talk about it in front of the kit and build it from scratch gang? Let's bring those MFJs out of the closet!!!!

For info on subscribing drop Paul an email at NA5N@rt66.com

Cheers 73/72 Bob N0EB

PS: Disclaimer - I know Paul and I have no financial interest in this newsletter - I just want to see this newsletter succeed so I have lots of stuff to read and learn...

Bob Gobrick - N0EB Stillwater, MN
Internet: rgobrick@att.net

Date: Mon, 06 Apr 1998 21:34:46 -0700
From: "Eric Swartz, WA6HHQ EleCraft" <erics@elecraft.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [7707] NorCal April Meeting Report (Slightly Biased)
Message-ID: <3529ACE6.681B7197@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

NorCal April Meeting Report (by Eric, WA6HHQ)

Jerry Parker couldn't make the meeting, so he asked me to take some pictures and report on the this month's NorCal meeting. I apologize in advance for any crass commercialism regarding the EleCraft K2. (The usual disclaimers do not apply...) I'll make a valiant effort to keep things in balance. If I do get out of control, please chalk it up to lack of sleep and over enthusiasm.)

(The html version of this report, with pictures, can be found at:
http://www.elecraft.com/norcal/NorCal_April_5_'98_Meeting.htm It will also be on the NorCal web page soon.)

On Sunday at 10:30am Wayne, N6KR and I were late and driving madly in my Mitsubishi 4WD towards Livermore for the NorCal meeting. (Yes, we were slightly over the speed limit....) Both of us

were running on 4 hours of sleep - we had been up late Saturday night getting our EleCraft K2 rigs ready to demonstrate. On top of that, Wayne had made our first 'official' K2 QSO with a station in Montana sometime after midnight. We were stoked! Its amazing what a little adrenalin will do to keep you alert.

Upon arrival at the California Burger we were surrounded by a pile up of expectant QRP'ers. Wayne spent the next three hours answering questions about the K2 (He almost lost his voice.)

Bob, N6WG was slightly disappointed that his string of 'first QSOs' for Wayne's designs had been broken. Bob, you need to stay up later - Wayne was listening for you!

This was certainly one of the biggest turn outs for a NorCal meeting. Chuck Adams, K5FO and his wife stopped in from Texas and several hams made the drive from LA and Fresno for the meeting.

Attendees included: Vic - AB6SO, Vern Wright - W6MMA (telling dirty jokes to Chuck), Jeff Grudin - AC6KW (great QRP call Jeff!) with the Jim Cates clan, Ralph - K6ZAN, Mike Gipe - K1MG (checking out a K2), Dave - AD6AY (looking at...), QRP Bob - KD6VIO of Wilderness Radio, Bob - W6CYX, Jim Pepper - W6QIF (with his new SCAF filter design) and a host of others.

Jim's SCAF filter was quite impressive. He had a audio tape of typical CW signals with QRM that he used to demonstrate the filter's capabilities. His SCAF construction was also impressive.

Steve Hawkins, WV6U, had just about the smallest CW key we ever have seen.

Fred Finster had several of his works in progress, including a Tuna Tin rig and NorCal Paddles.

A classic Ten-Tec rig and tuner were also on display.

QRP Bob brought his Wilderness radio collection, which we set on top of a K2 for comparison. Top to bottom: SST, NorCal-40, Sierra, K2. (Build the whole collector's set!) The K2 was shown in its 'hot off the press' sheet metal enclosure, without any paint or silk screen legends. I got together with Wayne and Bob for a EleCraft/Wilderness group picture.

Later, Wayne moved to the parking lot to do an on the air demo with the K2 and my SLV vertical antenna. Dave - AD6AY also set up his mobile QRP station and attempted to break Wayne's pile up. Lloyd (on the left), checked out the K2's on air operation along with the

crowd. I managed to sneak Wayne a Veggie burger to keep him going (we both had skipped breakfast.)

Darryl, WD6BOR also displayed his new small loop antenna out in the parking lot.

The NorCal meeting finally broke up around 2pm. Everyone appeared to have had a great time. Lots of friends, neat rigs and accessories made it an exciting morning. Wayne and I then packed up, drove to our homes, and caught up on some much needed sleep.....

73, Eric WA6HHQ
erics@elecraft.com
<http://www.elecraft.com>

Date: Mon, 06 Apr 1998 21:37:21 -0700
From: "Eric Swartz, WA6HHQ EleCraft" <erics@elecraft.com>
To: QRP-L <grp-l@Lehigh.EDU>
Subject: [7708] http://www.elecraft.com/norcal/NorCal_April_5_'98_Meeting.htm
Message-ID: <3529AD81.2A5FBBDD@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry, my mailer chopped off the full name of the html version of the norcal report!

It is: http://www.elecraft.com/norcal/NorCal_April_5_'98_Meeting.htm

Eric

Date: Tue, 7 Apr 1998 00:39:47 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:ukii@megsinet.net" <ukii@megsinet.net>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [7709] re:TMPS
Message-ID: <199804070042_MC2-3927-6E25@compuserve.com>
MIME-Version: 1.0

Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Ukii:

>> But *have* heard lots of QROers, some
running up to 800 watts to Yagis over 100 feet up :-(.

800?????? <<

I know, I know... The QRO guys were DX. Just re-checked the log. For instance, Tom JK1SCL said he was 800 watts to a tower with a multi-element yagi. Wow. And all I have at this QTH is these measly wire antennas at 28' or the GAP Titan at 6'. Hmmm...

Makes one wonder what might happen with a bigger/taller antenna here. Maybe like Ron KU7Y and his 85-footer with the Force 12 :-). Well, may be doable, hopefully, if we move out to the country later this year.

Still hoping to run into some QRPers on there somewhere. Good luck!

72/73,
--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Mon, 06 Apr 1998 21:45:02 -0700
From: "Eric Swartz, WA6HHQ EleCraft" <erics@elecraft.com>
To: QRP-L <grp-l@Lehigh.EDU>
Subject: [7710] Or try: <http://www.elecraft.com/norcal/NorCalMeeting.htm>
Message-ID: <3529AF4D.109F0DA6@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Some browsers may have a problem with the long link name for the NorCal
html report.

Here's a shorter version:
<http://www.elecraft.com/norcal/NorCalMeeting.htm>

Sorry for the problems. Guess I need a little more sleep!

Eric

Date: Mon, 06 Apr 1998 22:45:19 -0700
From: Monte Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [7711] QRP ARCI Survey
Message-ID: <3529BD6F.802301B5@dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There seems to be a lot of confusion about this survey. I was hoping that a copy would be here by now but it's not yet. Joe will post it just as soon as he can.

Here is how the survey works:

Each and every active member of the QRP ARCI will get a survey in the April issue of the Quarterly.

They can answer the questions via e-mail or snail mail. I will collect all replies. Calls/names will be checked to be sure the active members all go into the same "box".

Doug Hendricks asked me if it would be OK to include input from QRP-L and I said that would be fine. That is what prompted his post with the question about first class mail.

Input from inactive members and from non members is welcome and will be used to help us set directions for the club and the Quarterly.

(Active members are those members who are receiving the Quarterly. Inactive members are those who have joined at one time but are not now receiving the Quarterly. You are always a member after having once joined. But you must pay the active dues to receive the Quarterly)

But only the input from active members will be used to make the decision about first class mail. These are the people who are paying the bills and these are the people that will be affected.

And please note that the question is not a simple "do you want it to be

sent by first class mail?" but includes asking if you are willing to pay any extra that it might cost. Big difference!

Paying for first class mail could be either in more dollars of membership fees or in a smaller Quarterly which would leave money left over for the higher postage.

Remember that this is a Quarterly publication. Nothing is time sensitive! The work load on me or any of the staff can have a far greater affect on the delivery date than the bulk/first class mail difference! Many volunteer publications use the seasons of the year for their dates for this very reason. We continue to try hitting the monthly dates and have done a good job for the past couple of years. (The April issue is, of course, about 2 weeks late and is a good example of work getting in the way of a deadline!).

The results of the survey will be published in the next issue of the Quarterly. (July) This will give everyone plenty of time to respond.

There are also other questions on the survey. Please respond to all that you can. We really do want to hear from you.

If you are not a member, let us know why. If you are an inactive member let us know why. We want to increase our membership and are looking to you for ideas on how to do that.

I am sure that there will be some input that I would like to pass on to the BoD and would like your OK to do that. If you want to tell me something and have me keep it to myself, that's fine too, but be sure to tell me. I'll record your answers and delete the message!

Thanks for your time.

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: Mon, 6 Apr 1998 21:48:46 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: kc5tja@topaz.axisinternet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7712] Re: My circuits never seem to work for some reason...
Message-ID: <tGwPXBAu+TK1EwI7@lfheller.demon.co.uk>

MIME-Version: 1.0

In message <Pine.LNX.3.96.980406104716.9951B-1000000@topaz.axisinternet.com>, KC5TJA <kc5tja@topaz.axisinternet.com> writes

>> bypass cap., the gain was about 9. I didn't have a 2N3904 model, so I used the
>> generic small transistor model, with beta = 100.

>

>2N3904 is listed in my references as a generic transistor. :) beta=100,
>and Ft=300MHz at 10-20mA of Ic.

>

>> The analysis confirms that the DC conditions aren't too far out, with the
>> collector voltage (node 3) at 7.6 V. One usually tries to get it at 1/2 the
>> supply voltage, for minimum distortion with large signals.

>

>7.6V?! That seems a bit too high. It should have been 6.06V at the
>output with the values cited. Strange. (I measured 5.9V on my circuit.)

>

>> I used full Berkeley SPICE, which is available from the Simtel archive (look
>> for DSPICE). The educational version of PSPICE can also be found there. It's
>> easier to use, but is limited to a fairly small number of nodes. A book on
>> SPICE is essential, it's a large, complex program with *lots* of options and
>> tricks of the trade. I use Computer-Aided Circuit Analysis using SPICE, by
>> Walter Banzhaf, published by Prentice-Hall.

>

>Is DSPICE distributed in source code form, so that I can compile it under
>Linux? Or is there a Linux (preferably X/Windows) version already
>available? I do not use Windows for an operating system.

I use a DOS version, compiled with f2c and gcc. The Fortran source is
available with it, and it should compile under Linux, if it's converted
with f2c.

>

>> Using simulation tools like SPICE can save a lot of time, and is *very*
>> educational. It only takes a few minutes to change a component value, and you
>> can see the effect straight away. It won't design your circuits for you, but
>> will help you to get them working first time. Of course, I don't practise what
>> I preach, this is the first time I've used it seriously.

>

>Hehehe. :D

>

>The last three times I can remember compiling Spice for my system, every
>time it compiled perfectly, but crashed as soon as it started to run.
>Dunno why either, as all the code is 100% ANSI C compliant.

>

>> .ac lin 50 1meg 10meg

>

>I'm not familiar with the .ac command. I can surmise that the 1meg and

>10meg are the frequency ranges. What is the "lin" and "50" parameters
>though?

.ac does a linear small-signal analysis. The lin parameter gives a
linear scale. dec gives a log scale and oct does it by octaves. 50 gives
the no. of frequencies the scale is divided up into.

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system. See " /diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Tue, 7 Apr 1998 00:14:36 -0600
From: "Charles L. Stackhouse" <cstack@safelink.net>
To: <qrp-l@Lehigh.EDU>
Cc: <w5yr@swbell.net>
Subject: [7713] Icom IC-765 Power Level Control (long)
Message-ID: <19980407062352673.AAA147@safelink.safelink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

George Baker W5YR wrote:

>Some of us who use the IC-765 for QRP have been exchanging notes about
>how to set up the rig for QRP power levels. I recently became
>dissatisfied with the lashup I was using and set about to improve it.
>In the process, I gathered some data that might be of interest to
>others.

Dear George,

Bravo! Nice job on the QRP-L posting.

I was not satisfied with the ALC voltage control scheme from ICOM either.
I just couldn't get it to work. I tried with various Ohm's law calculations
but got nowhere. The circuit I used came from ? source. It is on a xerox
copy called "QRP mod for ICOM HF transceivers." I will try to describe it
as follows:

9volt Battery neg to gnd

Battery positive to on/off switch, then to two 47k ohms resistors in
parallel, the ends to the high side of a 20k (strictly junkbox and never

checked the taper) pot with the low side
to gnd. The pot wiper connects to the ALC jack via RG-174 minicoax.

(The schematic called for a single 47k resistor but this was too high when I built it so I halved the resistance with another resistor in parallel. Wish I had kept notes to explain my reasoning but it sure works great now) I also added a very low current LED with 1k series resistor to remind me to turn it off and save the battery. I built it in metal Pomona box about 3x2.5x1.75 inches. The power increases over about 1/2 pot rotation.

I have never measured the voltage vs. power out like you did. Very interesting. In fact, when you asked what the voltage was at 5 watts (my best estimate on SSB as I haven't yet done the W1HUE mod. to my OHR WM-1 to allow peak reading on SSB), I unplugged the unit from the transceiver, turned it on and read the voltage and that is what I told you. I just now measured the voltage open circuit (unplugged from the 765) and also across 22k ohms (close to what you calculated the 765 ALC circuit input resistance) and got 2.68volts open and 0.64volts across 22k. WHAT!

Well, now it is time to take some live measurements of voltage vs 765 power and compare to your figures. Will get back to you

73, Charlie WA2IPZ QRP-L #362

ICOM IC-765 Power Level Control

Test setup

IC-765 into dummy load built-in to MFJ-949D tuner. Power levels measured on Oak Hills Research WM-1 wattmeter (built from kit and calibrated per kit instructions) and on MFJ-249D. Voltage measurements on ALC voltage control circuit measured on Alfa 2360 DMM. Power output on IC-765 turned up to maximum (120w on 765 built in meter, 100w on MFJ-949D)

Power out(wattmeter)	Power out(IC-765 po meter)	ALC voltage
100 w (hi scale)	120 w	
0 volts (switched off)		
100	0.000	120
	(switched on)	
90		110
	-1.927	
80		95
	-1.931	
70		75
	-1.940	
60		70

	-1.948	
50		60
	-1.955	
40		47
	-1.970	
30		35
	-1.979	
20		20
	-1.998	
10		9
	-2.024	

30 (low scale MFJ-949)	22	
-1.993		
20		17
	-2.002	
15		13
	-2.010	
10		8
	-2.023	
5		5
	-2.045	
4		4
	-2.051	
3		3
	-2.060	
2		2
	-2.072	
1		1
	-2.091	

10 (WM-1 hi scale)	15	
-2.002		
9		12
	-2.005	
8		11
	-2.010	
7		10
	-2.013	
6		9 ?
	-2.016(new bat. In DMM)	
5		8 ?
	-2.024	
4		7 ?
	-2.030	
3		5 ?

	-2.041	
2		3 ?
	-2.051	
1		2 ?
	-2.071	
1 (WM-1 mid scale)		2 ?
-2.072		
.8		1?
	-2.078	
.65		
	-2.085	
.5		
	-2.091	
.35		
	-2.101	
.20		
	-2.116	
.1		
	-2.133	
.1 (WM-1 low scale)		
-2.135		
.08		
	-2.141	
.065		
	-2.145	
.05		
	-2.150	
.035		
	-2.157	
.02		
	-2.170	
.01		
	-2.186	
.005		
	-2.198	
.001 (ONE MILLLIWATT!)		
-2.226		

Test repeated with IC-765 front panel "RF PWR" control turned down to 50 watts

Power	ALC Voltage
50 (hi scale MFJ-949)	switched off

50		-1.931
40		-1.944
30		-1.956
20		-1.973
10		-1.999

30 (low scale MFJ-949)	-1.970	
20		-1.980
10		-2.004
5		-2.024
1		-2.074

	10 (hi scale WM-1)	
-1.980	9	
-1.982	8	
-1.988	7	
-1.992	6	
-1.998	5	
-2.001		
4		-2.010
3		-2.021
2		-2.029
1		-2.053
.5		-2.071

1 (mid scale WM-1)	-2.054	
.8		-2.060
.65		-2.068
.5		-2.073
.35		-2.083

.2	-2.099
.1	-2.118
.05	-2.167
.01	-2.170
.1 (low scale WM-1)	-2.118
.08	-2.125
.065	-2.129
.05	-2.134
.035	-2.142
.020	-2.155
.010	-2.170
.005	-2.181
.001 ONE MILLIWATT!	-2.208

Test repeated with IC-765 front panel "RF PWR" control turned down to 5 watts

voltage	Power	ALC
	5 w (hi range WM-1)	switched off
	5	
- 1.870	4	
-1.984	3	
-1.994	2	
-2.006	1	
-2.027	.5	
-2.047		
	1 (mid range WM-1)	-2.029
	.5	
-2.049	.1	
-2.096		
	.1 (low range WM-1)	-2.097

	.05
-2.114	
	.01
-2.149	
	.001
-2.187	

(The lowest power with "RF PWR" turned fully CCW and ALC voltage switched off was 4.8 watts on the WM-1 and about 10 watts on the MFJ-249)

The take home messages here are:

1. This is no bunk. The power output of the IC-765 can be very precisely turned down to as low as 1 milliwatt. The circuit is extremely simple.
2. Put in a low current LED or you will leave it on and drain the 9 v battery.
3. I wonder what a spreadsheet jockey could come up with if he graphed the power vs. ALC voltage?
4. The ALC voltage control and the front panel "RF PWR" control are mutually interactive. It doesn't matter where you set the "RF PWR" but once set, leave it alone and adjust QRP power level with the ALC voltage.
5. THERE IS ONLY 2.226 VOLTS DIFFERENCE BETWEEN 120 WATTS AND 1 MILLIWATT. IF YOU SWITCH THE ALC VOLTAGE OFF OR IT BECOMES DISCONNECTED OR YOUR CIRCUIT COMES APART, YOU CAN PROBABLY KISS YOUR QRP WATTMETER GOODBYE ON YOUR NEXT TRANSMISSION! (Are there any takers to test this out?)

73, Charlie WA2IPZ QRP-L #362
Burley, Idaho "On the Oregon Trail"

Date: Tue, 7 Apr 1998 00:23:00 -0600
From: "Charles L. Stackhouse" <cstack@safelink.net>
To: <qrp-l@Lehigh.EDU>
Cc: <w5YR@swbell.net>
Subject: [7714] Goof!-ICOM IC-765 Power Level Control
Message-ID: <19980407063051866.AAA80@safelink.safelink.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

>I wrote
>
> 9volt Battery neg to gnd
> Battery positive to on/off switch, then to two 47k ohms resistors in
>parallel, the ends to the high side of a 20k (strictly junkbox and never
>checked the taper) pot with the low side
>to gnd. The pot wiper connects to the ALC jack via RG-174 minicoax.

WRONG! Reverse the battery polarity. Ground the positive and the negative goes to the on/off switch. Thanks George W5YR for catching this.

73, Charlie WA2IPZ

Date: Tue, 7 Apr 1998 02:47:45 EDT
From: RangerSF5 <RangerSF5@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [7715] AOL POP UP
Message-ID: <3d334b73.3529cc14@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Many people had "E"mailed requesting the AOL pop up a program to keep from getting kicked off line.
Unlike "stay connected" @ \$ 25.00 this is a freebie and I just found my disk for the best and the latest version that will keep you on line with the 3.0 and the 4.0 version of AOL..Don't abuse it. Type your letters off line
Bob
WA2HQQ
If you need it,drop me a note

Date: Mon, 6 Apr 1998 23:57:18 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [7716] QRP ARCI Survey -- The Real McCoy
Message-ID: <199804070657.XAA22776@usr09.primenet.com>

Howdy Folks,

Ron (KU7Y), Merciless Taskmaster ;-), wrote:

>

> There seems to be a lot of confusion about this survey. I was hoping
> that a copy would be here by now but it's not yet. Joe will post it just
> as soon as he can.

Thar she blows! Here's a slightly altered ASCII version of the
QRP Quarterly Survey. Please note that it is *not* a vote. We're
just lookin' for input. As Ron already mentioned, you don't have
to be an active member or have an ARCI number to fill it out.

All input is valued and appreciated. Again, as Ron said, if you're
not a member, let us know why. If you're an inactive member, let us
know why. And if you're an active member, let us know what keeps
you around!

A text version is printed in the April issue or QRP Quarterly
(breaking the back of your local mail critter soon!), but you
can also opt to fill out this e-version and send it to Ron
at <ku7y@dri.edu>. PLEASE DO NOT COPY THEM TO QRP-L. The last
thing we need is 1000 copies of the survey overloading the
list server. ;-)

Thanks for your input and bandwidth!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."

- Dave Rose, Fellow Snow Camper

----- QRP Quarterly SURVEY -----

A journal without feedback from its readers is a ship without wind in
its sails. Bad metaphors aside, we really do value your input, so to that
end we'd like you to fill out this questionnaire and send it back to us.
Please note that this is a survey, not a vote. We want to hear what's on your
mind! So if you can, please fill this out and send it to Ron (KU7Y) at
<ku7y@dri.edu>. Thanks much, and see you on the air!

QRP Quarterly SURVEY

NAME:

CALL:

ARCI#:

MEMBERSHIP STATUS: Active ___ Inactive ___ Non-Member ___

1) Would you be willing to pay more (a dollar or so) for your QRP ARCI membership in order to have QRP Quarterly sent in protective packaging?

___ YES ___ NO

2) Would you be willing to pay more (a few dollars) for your QRP ARCI membership in order to have QRP Quarterly sent via first class mail?

___ YES ___ NO

3) What kind of articles would you like to see MORE of in QRP Quarterly?

4) What kind of articles would you like to see LESS of?

5) In your opinion, what is QRP ARCI doing right?

6) In your opinion, what is QRP ARCI doing wrong?

7) What could QRP ARCI do to be a better club for you?

8) General Comments/Feedback

(Please email to Ron KU7Y <ku7y@dri.edu> - Thanks!)

Date: Tue, 7 Apr 1998 00:41:40 -0700
From: Conrad <radman@best.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [7717] Steve Weber's amazing LED CW Keyer... (review)
Message-ID: <01BD61BD.FCF575A0@radman.vip.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: quoted-printable

Friends,

Steve Weber, KD1JV -- the guy who "melts solder" in the White Mountains =
of New Hampshire -- once pondered whether the world needed: "Yak !! Yet =
Another Keyer." I wrote him an email and said, "Yes! And, I'll even beta =
test it for you!"=20

Still, one might ponder -- in a world crawling with Embedded Ticks, =
Curtis Chips, Super CMOS-3's and proprietary Japanese ICs, how many more =
keyers do CW ops really need? What's left to be done? What features have =
not been implemented?

Well, Steve came up with a few clever inventions using the Atmel =
AT89C2051 hi-performance 8-bit CMOS chip. This low voltage (2.7v - 6.0v) =
20 pin microprocessor has 2 Kbytes of programmable and erasable read =
only memory (PEROM). But, the really cool thing about the 2051 chip is =
that it supports software selectable power saving modes. And, for QRPers =
the best mode of all is the Power-Down Mode that saves the RAM contents =
but freezes the oscillator disabling all other chip functions until the =
uP is reset. Thus, you can leave the 2051 chip fully-powered all the =
time and it will simply "snooze" after you cease operation -- =
approximately 20 minutes -- drawing mere microamperes in its tranquil =
sleep -- with no power switch needed!

Steve included a "speedometer" in this keyer! Ever wonder what your =
character speed *really* is? (I do.) Well, this keyer has two 7-segment =
LEDs that will tell you exactly how fast you're sending -- and you can =
toggle the speed from 8 to 35 wpm, one wpm at a time. This is =
accomplished via UP and DOWN momentary contact switches -- when pressed =
once they will flash the speed on the LEDs just briefly and then the =
LEDs will blank out. You can select any speed from 8 to 35 wpm -- any =
character speed between those two numbers -- and in seconds you will be =
sending at exactly the speed you wish. =20

There's an interesting message memory (MEM) with 55 characters of =
storage. Press the MEM button for a second and you're ready to start =
entering a message. Then something very clever happens! Say you're =
recording "CQ CQ CQ de NN6CW." By watching the two 7-segment LEDs you =
will get *perfect* letter and word-spacing while entering your message. =
Here's how: after a single letter you wait for the LEDs to flash " - - " =
and, after a word/letter group you wait a bit longer for the LEDs to =
flash "SP" (space). It's like an electronic metronome. It's definitely =
helping my spacing just by playing with this keyer. When you're finished =
recording the message, store it and press MEM briefly. You'll be hearing =
and transmitting perfect spacing -- even at 35 wpm. (faster than I go!)=20

The 2051 chip automatically adjusts the speed/spacing of the MEM message = so you can slow things down if you head up to the Novice sub-band and = visa versa -- just toggle the speed UP or DOWN. The default setting of = the keyer is 20 wpm, so that's where it wakes up from its snooze mode.=20

The keyer components, with the exception of switches, battery and jacks = all fit on a little 2.2" X 1.5" PCB. =20

I've been having a lot of fun using this keyer with my OHR-100A on 40 = meters. And, it's just as happy keying the big Icom 765 at full power. = I've packaged mine in an LMB mini-console with 3 -"AA" (4.5v) batts = powering the keyer full-time. It's also a good candidate for an anchovy = or Altoids tin -- to toss in the back-pack for field work. =20

Interested? email Steve -- KD1JV at: "kd1jv@moose.ncia.net" and tell him = you'd like to "melt solder!" If enough folks are interested he'll = probably crank out a "real" board for this little keyer. It's a fun one = to build, highly versatile and a superb trainer for the Novice/Tech+ or = anyone interested in improving their fist.=20

Disclaimers: I was "given" a uP/board kit for assembly and beta testing = this keyer. I have no financial or other interest in Steve's amazing LED = CW keyer... he reserves all rights.

72 -- Conrad -- nn6cw.

Date: Tue, 07 Apr 1998 05:02:59 -0500 (EDT)
From: n4js@pobox.com
To: <(Gary L Surrency) gsurrency@juno.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [7718] RE: TMPS ?
Message-ID: <XFMail.980407050259.n4js@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

On 07-Apr-98 Gary L Surrency typed:

> Now that the Fox hunt is over, is there going to be another Thirty Meter
> Proagation Study like we had last year? Or was that just a one-time event?
>
> Hope to hear some of you tonight in the Spartan Sprint.
>

I wonder...With the sunspots coming alive, how about a 17 and 12 meter study?

Sent at 05:02:59 on 07-Apr-98

John L. Sielke n4js@amsat.org n4js@pobox.com
n4js@qsl.net NJ Grid:FM29LN
<http://www.qsl.net/n4js> NJ-QRP #57 QRP-L #884
QRP-ARCI CQC #443 CQrp #50 AKQrp ARQrp
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243

Date: Tue, 7 Apr 1998 06:43:44 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: "John J. McDonough" <jjmcd@mdn.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7719] Re: B&W folded dipole
Message-ID: <Pine.GS0.3.96.980407063455.27880C-100000@moe>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> > a full-size dipole (80 or 40m halfwave) and feed it with ladder line
>
> This is something I see a lot of, and I have to ask the question. Given
> that a half-wave dipole sufficiently far away from interference (like the
> ground) has a feed impedance in the 70 ohm neighborhood, why do people like
> to feed it with open wire - typically 450-600 ohm? Is it customary to use
> a delta match or something similar at the feed point?

For single band use with a high impedance link--as once was common--matching a dipole to 600-ohm line with a delta match was common. However, for multi-band use, the delta match provides no better antenna to line matching than direct connection with 300/400/450/600 ohm line on many bands. Moreover, the match between the antenna and line does not affect performance of the antenna. If one uses an ATU with the ability to handle a wide range of impedances at its output terminals, the mismatch at the antenna simply results in a different impedance for the ATU to match. If the particular impedance on a given band is outside the range of the ATU components to handle, adding (or subtracting) a few feet of line often is enough to bring the present impedance back within range of the ATU. One can even calculate the necessary line lengths to present a close match either to the ATU or to the 4:1 balun inside in network tuners, as W6RCA has done--or even set things up to omit the ATU. For most, regular parallel line connected at the feedpoint and brought to an ATU is among the easier systems to master and use effectively. Hence, that is the most common all-band doublet circuit. The next release of ARRL Educational Workshop papers will have an article on the all-band doublet, with an eye on giving folks the info needed to Elmer beginners. (The issue will also have an article on QRP aimed at non-QRPers--but as fast as folks are

organizing, changing, growing, I fear some of the info will already be outdated by release time.)

-73-

LB, W4RNL

Date: Tue, 7 Apr 1998 07:14:03 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: JOEL DENISON <jdenison@morelr.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7720] Re: 3el Yagi with wire, rope, trees
Message-ID: <Pine.GSO.3.96.980407065924.27880E-100000@moe>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Joel's excellent 30 meter antenna is a good lesson in adaptation to the things you have that will support antennas. He is absolutely on target on at least 2 (and likely more) questions. 1. A rotator is not everything, and fixed beams--whatever they are made of--are just as effective in the directions they point as rotated ones (and cheaper). I know a fellow in Oak Ridge who majors in wire beams and loves every second of designing, making, and testing them on the air. 2. Use ingenuity to make use of the trees and supports you have, even if the final product may not stand up to the 100% best a computer says you can get out of a number of elements. If I were building a monoband beam of aluminum tubing for 20-10 meters, then I would strive to implement the best design my software predicts will work well. After all, in this case, I have the advantage of being able to place everything exactly where I want it. However, when contemplating wire beams using existing trees/poles/etc., simply make the best beam you can within the space available. Wire beams are a good case in point for aiming at a 50-ohm feedpoint, even at the expense of a little gain, since the disadvantage of the weight of a matching system may "outweigh" the advantages of the lower impedance and matching system antenna with its slightly higher gain.

Carroll Allen, AA2NN, has some interesting techniques for making reversible direction 3 element beams, which I hope he will one day publish. It is an entire design procedure with results that are close to optimal in both directions. For example, consider a 3 element beam with a reflector and director. Now make all 3 elements the same. Add a shorted feedline stub to the reflector to make it electrically longer. Add an open stub to the director to make it shorter. Now bring the stubs to a

central point and add relays to reverse the short and open. Voila: a change of direction. Yes, you can play with the stub lengths to get a tiny bit more performance in either direction, but then they are not interchangeable with a simple switch/relay. Bi-directionality down here in TN will get you Europe one way and VK/ZL/KH6 the other way. All you have to do is buy a lot pointing the right ways.

So if you have trees and wire and an urge for gain and F-B on the lower bands (or any band, for that matter, given an upcoming article in NCJ), think Yagi. You may enjoy the challenge--and the results.

-73-

LB, W4RNL

Date: Tue, 7 Apr 1998 06:20:00 -0500
From: <FaithD@mail01.dnr.state.wi.us>
To: <qrp-1@Lehigh.EDU>
Subject: [7721] 38S kit and wide Norcal paddle kit sold
Message-ID: <c=US%a=_%p=State-of-Wiscons%l=MAIL04-980407112000Z-59130@mail01.dnr.state.wi.us>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Thx for all who responded. The 38Special and wide Norcal paddle kit have been sold.

73 (es 72) de N9WR, Don C. Faith III

Date: Tue, 7 Apr 1998 08:29:50 -0400 (EDT)
From: Jim Eshleman <lujce@hooch.cc.lehigh.edu>
To: wb3aal@talon.net
Cc: qrp-1@Lehigh.EDU
Subject: [7722] Re: Problem
Message-ID: <98Apr7.082954-0400_edt.10389-17664+15@hooch.cc.Lehigh.EDU>
Content-Type: text

Hi Ron,

I haven't noticed any repeats, but if you could forward me a copy of a message and its repeat, with the original headers intact, I may be able to track down the problem. I don't think they're being generated at this end, but you never know...

73

Jim N3VXI

> Is anyone else having the same problem as I am with
> repeat messages?

>

> 73, Good DXing & QRPing

> Ron de WB3AAL

>

> E-mail: wb3aal@talon.net

> BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

>

> EPA QRP # 1 QRP # 5318 10-10 # 13173

> QRP-L # 1099 G-QRP # 3031 AK QRP # 309

> Adventure Radio Society #380

>

>

Date: Tue, 7 Apr 1998 00:42:45 -0500
From: n5inz@juno.com (John M Andrews)
To: qrp-l@Lehigh.EDU
Subject: [7723] N5INZ: Re: New MFJ 90's Newsletter
Message-ID: <19980407.081658.3198.9.N5INZ@juno.com>

----- Begin forwarded message -----

From: N5INZ
To: rgobrick@worldnet.att.net
Subject: Re: New MFJ 90's Newsletter
Date: Tue, 7 Apr 1998 00:39:32 -0500
Message-ID: <19980407.003933.3198.7.N5INZ@juno.com>
References: <3.0.32.19980406231350.007576c4@postoffice.worldnet.att.net>

On Mon, 06 Apr 1998 23:15:25 -0500 "Robert J. Gobrick"

<rgobrick@worldnet.att.net> writes:

>MFJ Owners and QRP Elmers,

>

>I just received in the mail my first NEW issue of the MFJ 90's

>Newsletter

>devoted to the MFJ QRP 90xx transceivers and accessories.

You bet. My kudos to Paul for picking up a difficult and time gobbling project.

Pretty cool. Perhaps some kind hearted soul will also take a stab at the history of some of Rich's 1st efforts(ie The Micro-20, QRP-15, Travel Radio) and compare it against what we have today with the 9xxxx.

Thanks, Paul. Well done.

72, John- N5INZ

----- End forwarded message -----

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Date: Tue, 07 Apr 1998 08:59:50
From: Roger Braker <msebrakr@telepath.com>
To: radman@best.com
Cc: Qrp-l@Lehigh.EDU
Subject: [7724] Re: Steve Weber's amazing LED CW Keyer... (review)
Message-ID: <3.0.1.16.19980407085950.4ad7310e@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This sounds like a pretty cool keyer. Sounds like Steve has been busy.
Does anyone know how much they will cost? Thanks.

73,
Arnold kd5ckh

At 12:41 AM 4/7/98 -0700, you wrote:

<snip>

>Interested? email Steve -- KD1JV at: "kd1jv@moose.ncia.net" and tell him you'd like to "melt solder!" If enough folks are interested he'll probably crank out a "real" board for this little keyer. It's a fun one to build, highly versatile and a superb trainer for the Novice/Tech+ or anyone interested in improving their fist.

>
>Disclaimers: I was "given" a uP/board kit for assembly and beta testing
this keyer. I have no financial or other interest in Steve's amazing LED CW
keyer... he reserves all rights.
>
>72 -- Conrad -- nn6cw.
>
>
>

Date: Tue, 7 Apr 98 09:05:16 CDT
From: QLF%mimi@magic.itg.ti.com
To: qrp-1@Lehigh.EDU
Subject: [7725] re: MOBILE INVERTED L
Message-ID: <9804071405.AA01511@itg.ti.com>

From: Brad Bradfield QLF

Subj: re: MOBILE INVERTED L

-***** ORIGINAL MSG # 01161815 FOLLOWS *****-

To: MSG to Internet M2I

From: Brad Bradfield QLF

Subj: re: Mobile Inverted L

This discussion brings to mind an old QST from the early 60's or late 50's.
(Gad's, am I really that old??!!) The front cover had a picture of one
gentleman's homebrewed mobile antenna called (I think) a "Longhorn". The
car was a station wagon and the mobile antenna came up from the rear bumper
region for maybe four feet, made a ninety degree bend towards the front of
the car for a distance of maybe eight or ten feet. Don't remember much else
about it, but know I have the issue "somewheres" in my collection. Anyone
else remember this issue?

Also, anyone interested in buying and/or selling gear should take a look at
www.ebay.com. This is an on-line auction service covering a little bit of
everything. Ham and other electronics stuff is under the Miscellaneous
heading, then "Consumer Electronics, Radio". Prices are reasonable to list
stuff for sale, and the auction tends to get a top dollar if it's something
anyone else is interested in to begin with. I've sold several items that I
I would have had to drag around to the hamfests just to find the right
person who wanted/needed what I had at a price we were both agreeable on.

Check it out. Read the rules and watch for a few days to get the feel for how it works before selling or buying. If you have any questions, drop me a note and I'll try and help you out.

QRPTTF is coming up. My location is a closely guarded secret till time to go.

My Field Day partner (W5RIF) and I will be 1B-Battery in the Davis Mountains this year. A Zillion (with a capital "Z") miles from the nearest road in the middle of the San Francisco Ranch, 8 miles by 26 miles of ranch! Getting antsey to get out there and burn them up!

72's es 73's,

Brad, WB0CGH

Date: Tue, 7 Apr 1998 08:13:48 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "bmug@gwl.com" <bmug@gwl.com>, "'LYN'" <designserv@ipass.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7726] RE: Not quite QRP but please read
Message-ID: <01BD61FD.18616C60@pps-pc10.gwl.com>

NO JUNK MAIL. These are letters to clients - people that pay me to send them this stuff. I have approximately 2,200 retirement plans that we try to keep in compliance with the laws. What I am trying to do is save them (the participants in the plans) some money by using Fax over the mail.

Faxing is much more reliable, faster and cheaper. I would use email but a large percentage of the people out there don't have it (I specialize in small companies and most have a fax but most do not have email - some don't even have computers). I could raise my rates and charge more - with the amount of stuff I'm required to send out I would have to hire another person or two just for the mail.

An this is QRP (Qualified Retirement Plan).

Sorry about the band width.

Brad

From: LYN[SMTP:designserv@ipass.net]
Sent: Monday, April 06, 1998 11:22 PM
To: bmug@gwl.com
Cc: Low Power Amateur Radio Discussion

Subject: Re: Not quite QRP but please read

Brad Mugleston wrote:

Yes, and I have been the addressee on far too many of them!
I'm not about to help anyone build up junk email capability.

Date: Tue, 7 Apr 1998 11:36:55 -0400
From: Tracy@bytemark.com (Tracy)
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [7727] New Product Announcement: PC-VF0jr
Message-ID: <01BD6219.B74FB2C0.tracy@bytemark.com>

Well, now I'm allowed to publicly talk about it ... Here's the press release
scheduled to go to all the major pubs later this week --

"ByteMark is proud to announce the release of our newest product, the PC-VF0jr,
a Digital VFO based on the Analog Devices AD9850BRS DDS chip. Built on an ISA
plug-in card, this unit is designed to function in any IBM compatible computer
with an available 8 bit port.

"This digital marvel is capable providing a signal source from .029 Hz to 54
MHz in .029 Hz steps. Output is approximately +7 dBm into a 50 ohm load, is
short-circuit protected and uses a +-50 ppm time base for excellent stability.
Extensive output filtering provides harmonic suppression exceeding FCC
specifications.

"The package includes software for DOS and Windows, and documentation on the
command set for individual development. Additional software will be made
available on the WaveGuide web site as it is developed. There will also be a
public forum on the site where users will be able to upload and download their
own software, data files and technical notes as they see fit.

"PC-VF0jr will be released to the general public at the Dayton Hamfest. Several
dealers have signed to carry the product, including RT Systems, a major Amateur
distributor that will be at Dayton.

"Manufacturers suggested retail price is \$139 USD. For more information or
dealer inquiries, contact ByteMark at 800 679-3184."

I've already got a waiting list for this one. I've been authorized to offer group purchases at our "consignment" rate of \$109 each in quantities of 10 or more. One person would have to act as liaison for the group to get this discount.

The WaveGuide web site (www.bytemark.com/waveguide) will be up in about three weeks when we have photographs etc. of the product.

I apologize for the "Spam" aspect of this note, however I know some of you high-tech QRPers like me have been chopping at the bit to get those old motherboards and sound cards into the radio scene.

Using an old 386 sx40, a PSA sound card, the PC-VFO prototype and an 8255 controller I built on a Marlin P. Jones ISA card, I've managed to get a little receiver working under complete computer control. I've not used them, but I found some programs on the TAPR site that allow you to do various audio filters using the DSP sound cards. They've even got 'scope software for these cards that displays wave forms of audio signals.

Thanks for the bandwidth.

Tracy Markham, N4LGH #1453
ByteMark / Amidon
Tracy@bytemark.com
800 679-3184

Date: Tue, 07 Apr 1998 10:48:35
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [7728] LED CW Keyer
Message-ID: <3.0.3.16.19980407104835.2c2f4794@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy Gang,

Conrad's exalent review of my new keyer has already resulted in some interest :-) Here's a few more details.

When the keyer "wakes up" it actually remembers the code speed it was set to when it went to sleep. The keyer is "woken up" simply by pushing the dash paddle. The LED flashes the code speed to remind you what speed it is set too.

Conrad's "beta" keyer used push buttons to set the code speed. The final version will use a small rotary encoder, so the speed will be set by turning a knob.

While storing a message, mistakes can be corrected by using the speed control to "back space" and re-enter the miss-set character.

The keyer can be powered by 3 volts (two "AA" batteries). Although spec'ed at a minimum of 2.7 volts, the cpu works down to about 2.5 volts, provided it was first powered up at 3 volts. Powering with 4.5 volts (three "AA" batteries) will provide longer life.

As for price, it will be a little expensive at \$25.00 + shipping.

I will need at least 10 interested parties to make it worth having a circuit board made. From that point, it will take about a month to have the boards made and collect the required parts.

Thanks for interest :-)

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Tue, 7 Apr 1998 09:37:12 -0400
From: n1wcc@juno.com (Arol b hill)
To: qrp-1@Lehigh.EDU, qrp-1@Lehigh.EDU, k17jaf@polarnet.com, w4ed@flash.net, k5zty@juno.com, n4bp@bc.seflin.org, N3BJ@aol.com, ki7mn@dancris.com, wp4jxd@prtc.net, k5hgb@flash.net
Subject: [7729] FS/38s and custom case
Message-ID: <19980407.114623.15806.0.N1WCC@juno.com>

38 special and san louis machine custom case
Board has been pretty much built with 5 watt mod and rit mod, still need 6.8 uf molded choke to complete rit mod.. Tick keyer mod installed also with tick 1 chip. Wiring has been soldered to board but not hooked up to off board components yet, all off board components(except for one jack for headphones) included.. Has not been tested or aligned yet.. Also have ordered heat sink from san louis mach. will forward it when i receive it.. Have lost interest in this project has been dragged out to long so just looking to get my money back.. Think i got about \$85 into it i'll sell it for \$75 and ship it also.. have list of mods printed out also.. If interested let me know.

72's
Aro1 N1WCC

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 7 Apr 1998 10:46:45 -0500
From: "ukii" <ukii@megsinet.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [7730] New Rig choice.
Message-ID: <001901bd623c\$62376800\$f74e85d0@ns1.megsinet.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Gang.
As I am sure you recall,I have been searching for a new rig
and kind of leaning to a Yaesu 920 or the Tentec Omni6plus.
Well,had a few comments on whether I did go and
buy the Yaesu FT-920 this past weekend.
I did not. I went to TenTec's web site (<http://www.tentec.com>)
and really tried to research the Omni6 Plus. I didn't find too much out
so I sent the sales crew an Email. They supplied me
(received it yesterday) a brochure and some literature
on their products. IThey included the QST 1997 Nov Product review.
Can quite get that! It read as kind of a bad review????
Really,if someone can reread this thing for me I would appreciate it!
The review has some plus's for the radio but mention it would FAIL
guidelines,why would TenTec send me a poor review?
I must be missing something here!
I also see that the power output is from 0-100watts,BUT is
ALC stabilized. Does this mean the output on SSB is controlled my the amount
of audio drive?
Ok,gang,guess I am cornfused enough without having to
confuse you all too...
Thanks for listening! (where do I send my psych payment to?)
Best 73 de john
n9ukx

ps... STILL AVAILABLE
1 six pack of JOLT COLA for my first 49er contact!)

Date: Tue, 7 Apr 1998 17:31:25 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: mikemo@ibm.net
Cc: qrp-l@Lehigh.EDU
Subject: [7731] Re: Elmer 101: getting started
Message-ID: <199804071631.RAA21503@chuck.dallas.sgi.com>

Gang,

THanks go to Mike Maiorana, KU4QO, for leading the Elmer101 discussion, Elmer workload distribution, and all the hard work on the web page for this project.

Mike said, "We have already seen condescending remarks and replies to questions. All this does is make the other person feel bad about themselves. If you can't answer nice, don't answer!" If anyone posts to this group any such trends and/or I get email from anyone in the Elmer101 group participation that received flames or any negative threads towards them or any group of individuals, then I will take steps to see the offending party does not participate any further in any discussion on qrp-l. The purpose of this exercise is to help those that are new to building either kits or from scratch, to help those that have not seen application of the materials from the ARRL Handbook or electronics in general.

Also, this project will not be broken from the QRP-L list. EOD (End of Discussion). See all of the archives for previous discussions of breaking out special interest groups and see what has happened in the past to such duplicate reflectors.

Again, let's keep this project in a positive light and all the good that it will do.

FYI
Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Tue, 7 Apr 1998 11:50:41 -0500 (CDT)

From: jdenison@morelr.com (JOEL DENISON)
To: qrp-l@Lehigh.EDU
Subject: [7732] Tree mounted yagi... responses
Message-ID: <199804071650.LAA23931@m20.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang

Thanks for all the nice responses to my latest madness.... thought I might have been at my funeral... :-) people said nice things about me... :-)

I got the idea and basic measurements from an article in the August 1982 issue of CQ mag. The ant idea is by VE3CUI AND HE uses only two elements and a ground mounted rotor for his antenna...

Plus... as ve3cui points out, the antenna gets higher each year, Automatically... :-)

god bless

joel in maine north of dixie

God Bless

Joel

WA5CVM	Gentlemen don't Cry, They QSY :-)
Joel Denison	Gentle Lady (RC Sail Plane)(049 engine - start)
PO BOX 542	40 mtr loop up 50ft Vertical 3 elm Yagi 30mtr
Strong, Maine 04983	QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
jdenison@morelr.com	AK/QRP 109

Date: Tue, 7 Apr 1998 13:53:03 -0400 (EDT)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [7733] List of banquet registrations
Message-ID: <Pine.LNX.3.95.980407135031.2402C-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It's long.

So far, it's at 147!!!

I have placed the list on my web site. If you sent in your check and I don't have a name on my list, or if I have a name or callsign incorrect, OR you didn't supply me with a callsign when you sent me a check, please see the list and verify your status for me.

I can send the list via e-mail upon request.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* <http://w3eax.umd.edu/~ham> * ARRL Life Member /Laurel ARC/UMARA *
*** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

Date: Tue, 7 Apr 1998 11:09:38 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'timcook@erinet.com'" <timcook@erinet.com>
Cc: "'qrp-l'" <qrp-l@Lehigh.EDU>
Subject: [7734] Ant Tuner
Message-ID: <01BD6215.AA10B9A0@pps-pc10.gwl.com>

Tim and Gang,

I built the tuner in the October 95 or 96 '73 mag. There were two QRP tuners in that issue the one I built has a built in SWR meter (dial not lights). It is smaller than the ZM-1 (which I also have) and works FB.

The only problem I had was (1) I built it (first ever project) and (2) with a little help and some hot glue the shorts were fixed. It is built ugly style and mine was real ugly. The box is small so when I crammed everything in it pressed some solder ends together. Some hot glue around the joints isolated them and now it works great.

De KB0ROL, Brad

Date: Tue, 7 Apr 1998 12:02:05 +0100
From: Dick G0BPS <G0BPS@kanga.demon.co.uk>
To: DENNISMO@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7735] Re: Golf Ball Antenna?
Message-ID: <fTlqKhAtegK1Ew\$8@kanga.demon.co.uk>
MIME-Version: 1.0

In message <6601e978.352945b6@aol.com>, DENNIS MO <DENNISMO@aol.com>
writes

>Does anyone know anything about a Golf Ball antenna? A friend was working a
>fellow out somewhere in the Pacific and the guy reported that he was running
>his power into a Golf Ball antenna. Now my buddy was copy this guy at abt 20
>WPM - a little faster than he is comfortable copying but he is very confident
>that he copied this part of the QSO correctly. Any ideas or information out
>there?

You sit the ball on a tee in the back garden.
Take a driver or three wood and belt the ball as hard as possible.

As the ball takes off it partially ionises the air behind it. Use
this to replace your antenna. Feeder is the problem tho!

Easy Eh ??

TTFN de ..

--

Dick Pascoe G0BPS
Kanga Products
Seaview House, Crete Road East
Folkestone CT18 7EG U.K.
Tel 44 (0) 1303 891106
<http://www.kanga.demon.co.uk>

Date: Tue, 7 Apr 1998 18:09:34 +0100
From: Dick G0BPS <G0BPS@kanga.demon.co.uk>
To: qrp-1@Lehigh.EDU
Subject: [7736] 40673
Message-ID: <+m9yHDA03lK1EwIq@kanga.demon.co.uk>
MIME-Version: 1.0

Hi gang,

A friend is looking for a source of a FET called a '40673'
I've never heard of it, but he assures me that it is genuine.

Any ideas of a source?

Thanks es TTFN de ..

--

Dick Pascoe G0BPS
Kanga Products
Seaview House, Crete Road East

Folkestone CT18 7EG U.K.
Tel 44 (0) 1303 891106
<http://www.kanga.demon.co.uk>

Date: Tue, 07 Apr 1998 10:33:53 -0700
From: David Shalita <af389@lafn.org>
To: "Ham-Homebrew@ucsd.edu" <Ham-Homebrew@ucsd.edu>
Cc: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [7737] Japanese web site-Super VXC0
Message-ID: <352A6381.7E887C08@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

I am looking for a web site, put up by a Japanese HAM. Recently,
he was discussing a Super VFO, uses two crystals in parallel.

His web site contained some information about other very useful
circuits he had experimented with including schematics and gif files.

I lost the web link.

Can anyone possibly help me find that site again?

It will be useful to other QRP-L folks desiring to do QRP-L
RF circuit experiments. Contains lots of explanation.

Regards, thanks so much,
73, W6MIK

--
David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

Date: Tue, 7 Apr 1998 13:58:13 -0400
From: Tracy@bytemark.com (Tracy)
To: "'G0BPS@kanga.demon.co.uk'" <G0BPS@kanga.demon.co.uk>, "QRP-L (E-mail)" <qrp-1@Lehigh.EDU>

Subject: [7738] RE: 40673

Message-ID: <01BD622D.570A8700.tracy@bytemark.com>

You can replace it with a 3n211 or 3n204. The '204 is supposed to be "hotter."
I've used the '204 numerous times in replacement of the 40673 with good
results.

Hope that helps.

Tracy, N4LGH #1453

-----Original Message-----

From: Dick G0BPS [SMTP:G0BPS@kanga.demon.co.uk]

Sent: Tuesday, April 07, 1998 1:10 PM

To: Low Power Amateur Radio Discussion

Subject: 40673

Hi gang,

A friend is looking for a source of a FET called a '40673'
I've never heard of it, but he assures me that it is genuine.

Any ideas of a source?

Thanks es TTFN de ..

--

Dick Pascoe G0BPS

Kanga Products

Seaview House, Crete Road East

Folkestone CT18 7EG U.K.

Tel 44 (0) 1303 891106

<http://www.kanga.demon.co.uk>

Date: Tue, 7 Apr 1998 11:48:36 -0600

From: "Marshall Emm" <mgemm@mtechnologies.com>

To: Brad Mugleston <bmug@gwl.com>

Cc: qrp-1@Lehigh.EDU, cqc@mtechnologies.com

Subject: [7739] Re: Ant Tuner, Glue gun, Ten-Tec 1254

Message-ID: <199804071746.LAA27186@edison.chisp.net>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Hi, Brad--

>>Some hot glue around the joints isolated them and now it works great.
<<

Back in the "old days" they used joke about issuing a soldering iron with your ham ticket-- these days I think it should be a soldering iron AND a glue gun. Talk about a handy thing to have around the shack!

And additional "mod" to the 1254 that I neglected to mention involves hot-melt glue. Unfortunately there's no way to see it in the pix at <http://www.mtechnologies.com/info.htm> but I'll try to describe it.

The pots (volume control and clarifier) are board mounted, and the volume control goes in pretty early in the assembly process. They warn you to be careful because the legs can bend (bend them twice and I expect they'll break. As per normal, I was resting one edge of the board on the desk while installing components, and at some point realized I had indeed bent that darn pot right over. I straightened it, scratched my head for a minute, and grabbed the glue gun, laying in a thick bead of glue all around the base of the pot. Did the same with the the clarifier pot when I got to it, and it worked like a charm.

73

Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com>
(303)752-3382

--

Date: Tue, 7 Apr 1998 10:53:49 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: David Shalita <af389@lafn.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7740] Re: Japanese web site-Super VXC0

Message-ID: <Pine.SOL.3.96.980407104843.15749B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 7 Apr 1998, David Shalita wrote:

> Hi,
>
> I am looking for a web site, put up by a Japanese HAM. Recently,
> he was discussing a Super VFO, uses two crystals in parallel.

Hi Dave,

I don't have the web site handy. But I think you are talking
about the Super VXO by T. Okubo, JH1FCZ and I. Shimizu, JA0AS.

The circuit is shown on page 49 of the April issue of the QRP
ARCI Quarterly in an article written by MINOWA, Makoto, 7N3WVM
which talks about QRP in Japan.

Maybe a search on those call sign might turn up the site.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 7 Apr 1998 11:14:54 -0700 (PDT)
From: "S. Lee" <slee@u.washington.edu>
To: Dick G0BPS <G0BPS@kanga.demon.co.uk>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7741] Re: 40673
Message-ID: <Pine.A41.3.95b.980407105020.58200A-100000@homer38.u.washington.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The 40673 is a dual gate MOSFET. I believe the Heath HW-7 used
them as a mixer. Was a company in California which still
manufactured this device a year or two ago.

de AB7HI, Stephen Lee, Federal Way, WA

slee@u.washington.edu

On Tue, 7 Apr 1998, Dick G0BPS wrote:

> Hi gang,
> A friend is looking for a source of a FET called a '40673'
> I've never heard of it, but he assures me that it is genuine.
> Any ideas of a source? Thanks es TTFN de ..
> --
> Dick Pascoe G0BPS
> Kanga Products
> Seaview House, Crete Road East
> Folkestone CT18 7EG U.K.
> Tel 44 (0) 1303 891106
> <http://www.kanga.demon.co.uk>

Date: Tue, 7 Apr 1998 01:26:52 -0500
From: "Bruce Barley" <lbbarley@feist.com>
To: <Tracy@bytemark.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [7742] Re: 40673 - replacements also discontinued
Message-ID: <199804071826.NAA28372@wichita.fn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

The 3N204 (as well as the MFE131) is OUT OF PRODUCTION also !!

I don't know for sure, but I believe the 3N211 is also discontinued.
Gang... anyone ??? Info ??

Bruce KB0PZD qrp-1 # 69
lbbarley@feist.com

> From: Tracy <Tracy@bytemark.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: RE: 40673
> Date: Tuesday, April 07, 1998 12:58 PM
>
> You can replace it with a 3n211 or 3n204. The '204 is supposed to be
"hotter."
> I've used the '204 numerous times in replacement of the 40673 with good
> results.
>

> Hope that helps.
> Tracy, N4LGH #1453
>
> -----Original Message-----
> From: Dick G0BPS [SMTP:G0BPS@kanga.demon.co.uk]
> Sent: Tuesday, April 07, 1998 1:10 PM
> To: Low Power Amateur Radio Discussion
> Subject: 40673
>
>
> Hi gang,
>
> A friend is looking for a source of a FET called a '40673'
> I've never heard of it, but he assures me that it is genuine.
>
> Any ideas of a source?
>
> Thanks es TTFN de ..
> --
> Dick Pascoe G0BPS
> Kanga Products
> Seaview House, Crete Road East
> Folkestone CT18 7EG U.K.
> Tel 44 (0) 1303 891106
> <http://www.kanga.demon.co.uk>
>
>
>

Date: Tue, 7 Apr 1998 14:35:19 EDT
From: K5BDZ <K5BDZ@aol.com>
To: lbbarley@feist.com, qrp-1@Lehigh.EDU
Subject: [7743] Re: 40673 - replacements also discontinued
Message-ID: <7b97d53a.352a71e9@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

FYI to all...Dan's small parts has some "same-as" 40673's available and reasonable. if not, I may have some "same-as" units left in my remaining Tejas Kit inventory. They're getting expensive and hard to find.
Bill, K5BDZ

Date: Tue, 7 Apr 1998 13:32:35 -0600 (MDT)
From: marion@montana.com
To: qrp-l@Lehigh.EDU
Subject: [7744] Sierra power mods
Message-ID: <199804071932.NAA07675@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

A while back I posted a output power mod for Wilderness Sierras. Left out a couple of details than many have asked about. I used a FT-50-43 core, but the original FT-37-43 core works just fine. I have lots of both, the larger one was just a little easier to work with. The bifiliar transformer is wound with parallel turns, no twist. Should have put this in original posting. Sorry about that. Roy AB7CE

Date: Tue, 07 Apr 1998 13:46:25
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [7745] LED keyer is a go!
Message-ID: <3.0.3.16.19980407134625.097fa1f2@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

This group still amazes me. We hit 10 definates in no time and the digesters haven't even seen this yet :-)

I'll reply to all interested parties latter tonight or tommorow to conferm your order.

I'll also get the board artwork off to FAR Circuits ASAP and get the ball rolling.

Oh, one last detail, the output of the keyer is an opto isolator, so the keying output can be 100% isolated from the keying circuit and can key + or - polarity keyed rigs.

There is no side tone built in, but it's easy enough to add one of those small piezo beepers from Radio Shack, if desired.

Many thanks to all and especailly to Conrad for trying out the design and deciding it was a winner :-))

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Tue, 7 Apr 1998 12:00:53 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Steven Weber <kd1jv@moose.ncia.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7746] Re: LED keyer is a go!
Message-ID: <Pine.LNX.3.96.980407115934.30720A-1000000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Oh, one last detail, the output of the keyer is an opto isolator, so the
> keying output can be 100% isolated from the keying circuit and can key + or
> - polarity keyed rigs.

EXCELLENT! How much is the keyer again? \$25? If so, reserve one for me.
Let me know, so I can send you a check. Give me all the relevant details
too. :)

> There is no side tone built in, but it's easy enough to add one of those
> small piezo beepers from Radio Shack, if desired.

I prefer no side-tone, actually, as my radio will do that for me.
Besides, it's quieter, and I prefer silence.

=====

KC5TJA/6		- TEAM DOLPHIN -
DM13		Samuel A. Falvo II
QRP-L #1447		Chief Architect and Project Founder

Date: Tue, 7 Apr 1998 15:03:02 -0400
From: "Joe E. Eder" <joe_eder@compuserve.com>
To: QRP-L Distribution <qrp-l@Lehigh.EDU>

Subject: [7747] MO-OK-KS QRPTTF Invitation
Message-ID: <199804071503_MC2-393F-F4A9@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

MO-OK-KS QRPTTF Run for the Border

Come one; come all. Join Dave-W0CH and Joe-KW50K in putting this super tri-state site on the air. Dave says the location is good and accessible, so we should be able to get in and get out some good RF. If you're nearby, now's the time to join up. If you've not done this kind of op before, this is the time to try it.

Send us a note with your rig, antenna, power supply, etc. capabilities, and let's make this spot highly radio-active for QRPTTF.

And if you will be at the Joplin Hamfest 4/18, let's "do lunch"; we'll meet on 146.46 simplex around noon to set a plan.

Joe -- KW50K joe-eder@compuserve.com
Dave -- W0CH dbixler@hs.seneca.k12.mo.us

Date: Tue, 7 Apr 1998 12:34:46 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [7748] Re: Japanese web site-Super VXC0
Message-ID: <199804071934.MAA13758@usr02.primenet.com>

Howdy,

Dave (W6MIK) wrote:

>

> am looking for a web site, put up by a Japanese HAM. Recently,
> he was discussing a Super VFO, uses two crystals in parallel.

Try <<http://www.qsl.net/7n3wvm>>

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."

- Dave Rose, Fellow Snow Camper

Date: Tue, 7 Apr 1998 14:35:33 -0500
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [7749] qsl info
Message-ID: <199804071935.MAA15320@mailtod-122.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

Thanks to everyone who helped me with the qsl info. It was much appreciated.
73 ac5ez Larry

Date: Tue, 7 Apr 1998 15:49:50 EDT
From: JFelts4572 <JFelts4572@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [7750] HW-8
Message-ID: <b843de88.352a8360@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I'm putting info together to make a HW-8 page. If you have a web page that has a HW-8 mod please send me the page url. I'm thinking about a page with HW-8 info, and links to other pages with mods on it.

Jerry -- NR5A

Date: Tue, 07 Apr 1998 16:01:40 -0400
From: Ed Tanton <n4xy@att.net>
To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [7751] R-2000 SOLD

>RF circuit experiments. Contains lots of explanation.
>
>
>Regards, thanks so much,
>73, W6MIK
>--
>David Shalita (Dave)
>af389@lafn.org
>Van Nuys, CA
>
>
>

Date: Tue, 7 Apr 1998 16:08:13 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [7753] Messages
Message-ID: <01bd6260\$e55e8000\$2d5445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

If anyone sent me a message in the past day, please
re-send the message. My e-mail server had a problem.

73, Good DXing & QRPing
Ron de WB3AAL
E-mail: wb3aal@talon.net
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA
EPA QRP # 1 QRP # 5318 10-10 # 13173
QRP-L # 1099 G-QRP # 3031 AK QRP # 309
Adventure Radio Society #380

Date: Tue, 7 Apr 1998 16:41:06 -0400
From: Bill Howell <bhowell@mail.utexas.edu>
To: qrp-l@Lehigh.EDU
Subject: [7754] Need info on Bamboo Quad

Message-ID: <199804072041.QAA73482@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm getting some pieces together to make a Quad for 6m and 10m (dual bander).

I recently cut some bamboo for the spreaders. I figured on letting it dry awhile and then beefing up the poles for added strength and weather protection.

I have the Quad book by William Orr, W6SAI. It mentions wrapping the poles with fiberglass cloth and applying resin. This seems like overkill for my application. If I'm gonna go to that much work, I might as well go out and buy some fiberglass poles :^D

What I thought might suffice is wrapping with some fiberglass-reinforced tape and follow that with some varnish or polyurethane (polyurethane might get too hard and brittle for the wind-flexing though).

I thought about using PVC pipe but I think the 7 foot length might get too droopy in the Texas Sun.

Suggestions?

Bill Howell
University of Texas at Austin
Performing Arts Center
Electronic Maintenance
N5ALO QRP-L #415

Date: Tue, 7 Apr 1998 16:50:14 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Bill Howell <bhowell@mail.utexas.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7755] Re: Need info on Bamboo Quad
Message-ID: <Pine.GS0.3.96.980407164503.1913A-100000@moe>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bill,

If you go the varnish route on the bamboo, use a good quality marine spar varnish. (apply out of doors/do not breath/etc.) Most other materials used on furniture will not weather worth a darn. Been through most of them, and always come back to spar varnish on outdoor wood. Even it needs reapplication every couple of years.

If you use PVC, you can use the thin-wall type by starting it further toward center and curving it outward under stress to the desired element spacing. I used nylon cord to set the stress and spacing, then ran the wire. Stress is not too great for #14 wire to hold very well.

Just some ideas for the pot.

-73-

LB, W4RNL

Date: Tue, 07 Apr 1998 16:53:18 -0400
From: Ed <edn4pk@VoyagerOnline.net>
To: 70511.3041@compuserve.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7756] Re: TMPS ?
Message-ID: <352A923E.9F04CCFB@VoyagerOnline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Doc and the gang. I manage to work some 30 meters every evening that I can. All with less than 5 watts to a homebrew vertical. Country total is approaching 200. It can be done by one and all. Just listen, listen and then listen some more. Work on your head copying and most of all work on your sending. Accuracy is much better than speed.
Ed N4PK...QRP-L #1307

Date: Tue, 7 Apr 1998 22:07:49 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: n4js@pobox.com

Cc: qrp-1@Lehigh.EDU
Subject: [7757] RE: TMPS ?
Message-ID: <199804072107.WAA22370@chuck.dallas.sgi.com>

John et.al.,

WIMPS - WARC Internet Monitoring and Propagation Study

May 1, 1998 to September 30, 1998

Work all you can on 30, 17, 12 meters. Just like last year.

No contest, no prizes, no scoring other than your own.
All counters start at zero 0000UTC May 1 and add up until
2359UTC September 30, 1998.

I can't help but notice the Solar Flux is over 135 now. It
has been above 100 for the last 30 days or so. Remember when
we all were anxious for it to get to 100???? How time flies.

30M should be open later in the evening now, so after 12 and 17
close, be sure to check out 30M. Also it doesn't hurt to call
CQ late at night. I got KH6 late at night around 0300 local.

FYI

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Tue, 7 Apr 1998 13:52:09 -0700
From: kv7g@juno.com
To: slee@u.washington.edu
Cc: qrp-1@Lehigh.EDU
Subject: [7758] Re: 40673
Message-ID: <19980407.135644.3422.0.kv7g@juno.com>

I might add that the 40673 has built in diode protection to keep it from
being zapped by strong signals, They were used in the front end of
several 2 meter converters.

Bud _ KV7G - Yuma, AZ

On Tue, 7 Apr 1998 11:14:54 -0700 (PDT) "S. Lee" <slee@u.washington.edu>
writes:

>The 40673 is a dual gate MOSFET. I believe the Heath HW-7 used

>them as a mixer. Was a company in California which still
>manufactured this device a year or two ago.
>
>de AB7HI, Stephen Lee, Federal Way, WA
> slee@u.washington.edu
>
>On Tue, 7 Apr 1998, Dick G0BPS wrote:
>> Hi gang,
>> A friend is looking for a source of a FET called a '40673'
>> I've never heard of it, but he assures me that it is genuine.
>> Any ideas of a source? Thanks es TTFN de ..

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: 7 Apr 1998 16:45:34 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@Lehigh.EDU
Subject: [7759] The L antenna mobile, (or fixed)
Message-ID: <n1320154950.43527@msmailgw1.arlut.utexas.edu>

It is interesting how old ideas seem to reappear. In Don Johnson's prior edition of his Mobile Antenna Handbook, he tells of early 80M (or 160?) operations where a whip was extended with a wire to another whip mounted on the front bumper of the vehicle. The whole thing was loaded as an extended whip folded over for the low bands, and worked great!

Two 8 foot whips, and the wire in between made a folded over Ell antenna. The base of one whip was fed, and the other was just insulated from the vehicle bumper.

When you have less than a resonant length of antenna as in a LF mobile set up, any more that you can get in length is better it seems. As most of the interest of the W6 mobileers was in talking around town or state, the Near Vertical Incidence Signal, (NVIS), propagation the folded over antenna produced was ideal for their objectives.

I guess if one were to use two 8 foot whips, the task might be how to efficiently fasten the stainless steel whip tops to the connecting wire.

Another idea more to the set up imagined in the post, is to simply do the Ell as an Inverted Ell, and bring a wire down at an angle from the top of the

whip, but tied off with insulator to the front of the car.

Now if you wanted a killer signal mobile QRP for 160M, I suppose you could use THREE whips, like two on the back and one on the front, with one of those in back only as a support for the wire from the driven whip, across the width of the car, and then up to the front connected whip. I would guess you could have 32 feet plus of radiator that way. That means, on 40M, you could have a full quarter wave mobile!!!

Let's think also about the apartment dweller with his need to have a low profile set up. Rather than having an indoor antenna, maybe this could be done on a building with/ without metal siding or frame, by running such a antenna on the outside balcony! Place the two whips angled out from the balcony, with thin wire in between, and feed one whip at bottom with a tuner, insulating the bottom of the other. This should be fairly hard to notice, or if they do, hang a flag on each! With metal siding on the building, of course you have a reflector and shield effect in some directions. But, it still might be better than the indoor antennas some try to run inside a building.

Some field will be canceled, no doubt in both the mobile and fixed case, but the extra length of antenna might increase the efficiency overall.

Don't know if the modelers can handle such cases or not, but it might be interesting!

I do know that the Marines and other forces are using the folded over extended length whips to produce mostly NVIS radiation from the Humvees, to improve tactical communications over traditional mobile whips.

Date: Tue, 7 Apr 1998 17:52:18 -0400
From: Tracy@bytemark.com (Tracy)
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [7760] RE: 40673 - replacements also discontinued
Message-ID: <01BD624F.BB7223C0.tracy@bytemark.com>

There's an operation down here called "Skycraft" (we lovingly refer to it as "Skyjunk") that had a bag full of the 3n204's last time I checked. You can order from them by mail and I think they're on the web. I'll be going there in a day or two and will acquire a few while I'm there if they still have some, since you guys say they are getting rare!!

Tracy, N4LGH #1453

-----Original Message-----

From: K5BDZ [SMTP:K5BDZ@aol.com]

Sent: Tuesday, April 07, 1998 2:35 PM
To: Low Power Amateur Radio Discussion
Subject: Re: 40673 - replacements also discontinued

FYI to all...Dan's small parts has some "same-as" 40673's available and reasonable. if not, I may have some "same-as" units left in my remaining Tejas Kit inventory. They're getting expensive and hard to find.
Bill, K5BDZ

Date: Tue, 7 Apr 1998 15:17:55 -0700 (PDT)
From: "S. Lee" <slee@u.washington.edu>
To: kv7g@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [7761] Re: 40673
Message-ID: <Pine.A41.3.95b.980407151245.98848A-100000@homer34.u.washington.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

OK, here are a few of the most recent (within the last year) manufacturers of the 40673:

NAS Elektronische Halbleiter GmbH
Advanced Semiconductor Co, Inc
American Microsemiconductor Co, Inc
Space Power Electronics Co, Inc
Swampscott Electronics Co, Inc

Ah yes...perhaps it was the diode within the device that rectified broadcast stations' signals when used as a mixer. Anyway...enjoy!
de AB7HI, Stephen Lee, Federal Way, WA
slee@u.washington.edu

Date: Tue, 7 Apr 1998 18:39:14 EDT
From: RangerSF5 <RangerSF5@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [7762] Message in Re: RS mics
Message-ID: <6aef0b50.352aab15@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Hi gang,

Many people out there are still "E" mailing me and requesting a RS speaker mic.

THEY ARE GONE!!! I HAVE NONE LEFT!!

However,others are "E" mailing me and telling me that other stores have them,and they are buying them up.

So my message to you people who know what RS stores have them,why not post it for the benifit of others??

I also like to thank all the people who took the time and sent me some of the nicest "E" mail.

Bob

WA2HOQ

End of QRP-L Digest 1053

